From qrp-request@Think.COM Fri Nov 5 16:05:27 1993
From: randy@cyphyn.radnet.com (Randy)
Subject: #26 rig coil info
Date: Fri, 5 Nov 1993 16:04:39 -0500 (EST)

#26 Triode Transmitter...coil info

(note..several were tried and they all worked about equally well, one was
an attempt to allow 80/40mtr on one coil ,so I'll give both)

80 mtr only 9-50 uuf tune cap as C1 in the #26 diagram

Using white PVC pipe labled as ' 1/2" pvc 1120 sch 40 astm-d-1785 '

..whose OD is 13/16"....(aka 3/4") Cut to be 3" long, and sanded to remove the shine...(makes easier to wind wire and lock with varnish)
4 holes drilled to fish wires thru where start and finish of coils are to be and 4 more 90 deg apart on bottom to fish wires back out to ckt.
Holes were made using a PC board drill.
#28 wire was used for pri and insulated #24 hook-up wire for sec.

Finished coils looked a lot like ceramic (bonus for looks!)

46 uh ....62 turns 1" long pri
10 turns sec...wound ON lower part of pri.

note...80 mtrs will occur close to 2/3 mesh on C1

6:1 turn ratio's seem to work best

80/40

Same pipe as above... same cap.

37 uh ... 55 turns 1" long pri
9 turns sec... as above

note...80 mtrs will occur at almost full mesh...while 40 mtrs will occur close to wide open mesh.

Quick coil formulas -- do on calculator (leave the dust on the books)

turns = sqr (83 * uh) using that pipe, 1" long coil

turns =   sqr (400 * uh)   using Papermate pen barrel, 1/2" long coil.

actual formula   (inches)

D= diameter of coil form
B= length of coil it self (you select, but usually best if 1.5 - 2 D)
A= D/2

Turns =   sqr((uh * ((9*A) + (10*B))) / (A*A))

Quick formula to find uh

C= uuf of tune cap at 2/3 mesh (aprox) --- I used 37-40 uuf *
F= freq in mc (mhz)

uh = 25330/((F*F)* uuf)

* Usually, o.5 to 1 uuf per meter (80 mtrs: 40-80 uuf) is a good value
to use for most HF work below 11 mc.

--

Randy, KA1UNW   randy@cyphyn.radnet.com   randy@192.153.2.200

From qrp-request@Think.COM Fri Nov 5 13:43:52 1993
Date: Fri, 5 Nov 93 13:41:30 -0500
From: okas_rp%ncsd.dnet@gte.com
Subject: RE: #26 Triode Transmitter

Hello All,

    Well, I for one am hooked on the idea of hollow state qrp. I'll probably
use a 12AV6 since I have a number of them lying around (I have to admit an
811 *is* more impressive). To Randy, KA1UNW, I pose the following question.
Can you fill us in on the actual number of turns in the coil (pri/sec)? It
would save this EE from plunging his dusty Handbook.

73,

Bob - N3MBY

From qrp-request@Think.COM Wed Nov 3 22:27:47 1993
From: randy@cyphyn.radnet.com (Randy)
Subject: #26, heard!
Date: Wed, 3 Nov 1993 22:26:57 -0500 (EST)

Follow up on #26 Triode oscillator-transmitter with 811 sub.

This occured tonite...the nite after N1KGY and I tried out the rig at his place and so far did not catch anyone.

Keep in mind, now this is an open-to-view , very simple-minimum parts rig. Only 8 parts and you can see em all...doesn't look like it can do anything.

Well, as he and I use 80M as our intercom..(rather than go thru all the malarkey one gets on 2 mtrs)..I was dialing around with the receiver while keeping watch on our adopted call freq with the Transceiver.

I tuned around thru 3710 kc, and heard a flurry of stations at about 3711 along with a teletype stations churring away.
I'm using the wide filter, so can hear over a 2kc region and Boy! it's busy out there.
Then, a hair below 3710, I hear a faint peep peep behind the other stations and so I switch to the narrow filter and dial in on the signal.

I picked up:

K ~~ NW ~~1UN~ de ~* GY N*~- Y *~@ GY K

Now...you tell me what I was thinking!

You never saw any one twiddle their knobs and dials so fast...

Knowing how he is set up, and how awful his reception can be (always 2.5kc wide full time), I set my self where I know he'd be listening to him self, yet not where the other stations would drown me out .

So, I reply:

N1KGY N1KGY de KA1UNW KA1UNW K

I had to nudge the Rx a hair up, cause someone with a very wobbly old vfo'd set is chirping into us...but..way way way in back there....
almost all covered over.... :

K*~ NW d~ * KGY * @ ~ .! *

My golly! That WAS him!!! Thats the #26 with an 811 sub!

Not sure if or not he was still sending, and because the air was quite full enough already, and who knows who else is running QRP there...me and my 25 watts would just make it all worse...

....I was getting ready to move him up to our usual freq where it's a hair quieter and we'd both run 15-25 watts...and not run over those on 3710.
Figuring to call him, and tell him to QSY up to our freq..and him knowing it was NOT one of the Xtal freqs, he'd have to use his Big rig....etc

Well, before I could do that, he calls me on the telephone and nearly burns my ear off:

'YOU HEARD ME!!!? YOU HEARD ME!!!?'
"yes! and I hear you now, too...."
(muffled sound as he covers phone) He heard that oscillator we were working on -clatter noises- (his wife on phone now) 'You actually heard Chuck on that plank with the wires all over it?'
"Yes..I did----"
'Oh my gawd! so THATS what thats for!'
(now Chuck regains use of the telephone)
'I don't beleive it! I can't even measure the output it's gotta be so low'
"Well...once a signal gets on there---"
'There's so much noise and other stations--- (huh? oh, yes...you can get near it...just don't touch the top part) --She wants to look at it...
How were you able to hear me----(clatter thump) ---
(his wife in back ground:
'gee I didn't know it lit up like that..looks better than it did before')

----well the rest was a lot of confusion...but we plan to re-do the test at a more suitable time---less QRM....and also explore 40Mtrs...
He's been there already, sence he also has, along with 3710, 3700, 3686, the 7110kc xtal, and he found that the 80M coil and 50uuf cap, will JUST reach 40mtrs....so.....

As near as I can guess...because, all measurements were done using the #26 and a variable dc supply to run the 1.5 volt Filament, I have no idea what really, an 811 will do on 100vdc.... maybe 1/4 watt...
When we plugged in the 811, I didn't bring my VOM and Chuck has, at best a couple of non working flash lites for testers!
Those won't light up with the kind of power we were using.
So, going by how much the B+ transformer warmed up I can estimate only, that it's not much over 1/2 watt, best case...more likly 1/4 watt.

Sence He and I are NOT at all Line Of Sight to each other...our RF path has to be via the sky wave.....(10mtr tests confirmed no LOS for us)

So...that means then the signal had to make it all the way up and back from
the E or F layer...what? 120 miles...so 240 mi round trip?
Thats a long ways for a quarter watt to go and still be noticable!

Boy..what must it have been like during early radio....

--

Randy, KA1UNW randy@cyphyn.radnet.com randy@192.153.2.200

From qrp-request@Think.COM Fri Oct 29 14:59:03 1993
Date: Fri, 29 Oct 93 13:58:47 -0500
From: adams@chuck.dallas.sgi.com (Charles Adams)
Subject: 40 Meters

Gang,

someone, Spence, mentioned looking for me on 40 the other nite at
0300Z. Well I've been there, it seems with the geomagnetic activity
the band is up and down. Everynite, at 0245Z or so until about 0330Z,
(Z means UTC for you newbies :-)) the band dies and later comes back
like gangbusters.

I was in error last week, this saturday (tomorrow) I'll be at Texoma
meet. Look for either AF5U or K5FO/5 from there. We have a room set
up for a hospitality suite and will have antennas and rigs on many
bands. Whatever is open at the MUF, we should be there.

p.s. I'm taking signup sheets for the Northern California Club
and a page of notes on the other clubs. If you belong to a QRP
club and want it announced, send me email by midnite and I'll
take it with me. Purpose of your group, etc. or whatever is fine.
Short notes, etc.

Congrats to Doug Hendricks, KI6DS, on his QRPp Journal. It is the
largest QRP club newsletter in the world. Looks like it will keep
the rest of us on our toes. Reading it last nite again and note
that G-QRP club has about 5,000 active members.

I should not have talked about the warm summer. Winter is coming
in like a freight train tonite. Lows in the 30s and snow and sleet
predicted. Gonna have to fire up the fireplace. Makes me want to
get out the HW-16 for heat (kidding, just kidding).

I worked Ron, WB8RUQ, the other nite (28th) at 0222Z, ahead of the

0300Z schedule, and it was a good thing we did, 'cuz 0300Z was dead,
as mentioned above.

72 es cul de k5fo/qrp   dit dit

p.s. I do sign /qrp on the last callsign of my CQ's. Reason: most
      guys/girls will respect it and they will most likely put in the
      logbook that way. Also on the QSL card.

SIG
------cut here----------
Chuck Adams, K5FO - CP60
adams@sgi.com
QRP ARCI Awards Chairman

From qrp-request@Think.COM Fri Oct 29 16:52:20 1993
From: gganderson@augustana.edu (Kevin Anderson -7325)
Subject: 4SALE TEN-TEC Argonaut 505 HF QRP Transceiver
Date:

QRP gang,

Here is a bargain somebody better not pass up. Unfortunately
my wife says I don't have the money. I got this off the
rec.radio.swap list, so do not contact me.

Cheers. 72 de kevin KB9IUA

--- Forwarded message follows ---
From: nb9s@cbnewsc.cb.att.com (dan.m.doyle)
Subject: 4SALE TEN-TEC Argonaut 505 HF QRP Transceiver
Date: Thu, 28 Oct 1993 21:22:57 GMT

For Sale:

      Ten-Tec Argonaut 505 80-10m 5 Watt QRP Transceiver with manual.
          Modification: Output jack for digital display/freq counter.

          Price: $100.00 + ups

Daniel M. Doyle, NB9S   AT&T Network Systems   (708) 713-4198
uucp: att!gshum!nb9s   internet: nb9s@gshum.att.com

From qrp-request@Think.COM Sun Oct 31 23:43:11 1993
Date: Sun, 31 Oct 1993 20:27:08 -0800 (PST)
From: Stephen Lee <slee@u.washington.edu>
Subject: Re: 4SALE TEN-TEC Argonaut 505 HF QRP Transceiver

Speaking of buying/selling used radios....my 14 year old son and I just bought an Icom IC-701 200 watt SSB/CW rig with IC-701PS power supply.

Of course it can do QRP, down to 2 watts, according to the previous owner.

We are very interested in hearing from anyone who has had any kind of experiences with this model of Icom radio, since this is our first. We are not licensed yet; have nothing more than a long wire for the receive antenna, but will become licensed HAMs soon. We've been doing a good deal of listening at 7 MHz because it is so active. 1.8, 3.5, 14-15, 21, and 28 MHz are either very slow or non-existent. Is this the norm? Also, we have been hearing some CW on both the upper side band as well as lower side band in SSB mode. I need to ask if this radio, the Icom IC-701 can broadcast CW in SSB mode? Thanks for any answers, replies, etc. We hope to communicate with some of you netters over the air waves in the near future!

Thanks again!
Stephen Lee

From qrp-request@Think.COM Thu Oct 28 17:04:16 1993
From: majec@cactus.org (Majec Systems)
Subject: 7.110 mgz
Date: Thu, 28 Oct 1993 16:04:03 -0500 (CDT)

Say folks:
I have been trying to QSO with K5FO on 7.110 at 0300utc for the last three nights with no luck. I have heard some stations in the north east but they don't seem to hear my 1.5 watt MXM kit. If any of you qrp'ers have rigs that will work at 7.110 I will be there banging away. Look forward to the contacts.

Ed guinn
KB5RUF

From qrp-request@Think.COM Fri Nov 5 18:38:53 1993
Date: Fri, 5 Nov 93 18:38:44 EST
From: rjl3f@sycamore.cs.virginia.edu

Subject: RE:Hambrew

I never ordered Hawbrew but received a copy in the mail two days ago.

Bob
N4AHB

From qrp-request@Think.COM Fri Nov 5 21:08:56 1993
Date: Fri, 5 Nov 93 18:08:43 PST
From: paulb@harley.tti.com (Paul Blumstein)
Subject: RE:Hambrew

N4AHB>I never ordered Hawbrew but received a copy in the mail two days ago.

If some people order
From qrp-request@Think.COM Fri Nov 5 14:14:17 1993
Date: Fri, 5 Nov 1993 14:05:54 -0500
From: Brad Mitchell <bmitchel@CBA.Kodak.COM>
Subject: artwork for nn1g-II/norcal 40

well, here I go again, I'm not sure exactly why, but here I go again...

For us semi purists out here in T.V. land, can the artworks be made
available for the nn1g and the norcal-40, or is this something that is
copy written, or is it just that I need to go soak my head.

I would like to share in the wealth of the talented individuals that have
designed these rigs, but don't typically have the $75, or even $50
in one place at any particular time. Therefore, it behooves me to generate
a circuit board by copying the original artwork, if legal, and then gather
parts over time. (I know what you are thinking, the cost may actually be
more), but remember that I have this problem, with getting the $ in one place.
Also , a lot of my parts I buy/scrouge at cheap prices if not = 0.00. Thus
my cheap hobby perpetuates.

So what say folks? how about it can we scan these artowrks or not?
If so I would also like to put them on the anon ftp site for others
to use as well.
Please note, that I won't run out of projects if the answer is no,
But it would be fun to experience the same things everyone else is on the
net.

P.S. NO I would not make p.c. boards for resale in case anybody wonders...
my p.c. boards don't look anything like the professional ones FAR produces, and
are only funcionally equivalent. I only make boards for me, and that's that.

73 all Brad WB8YGG

From qrp-request@Think.COM Wed Oct 27 15:45:39 1993
Date: Wed, 27 Oct 93 9:45:24 HST
From: Jeff Herman <jherman@uhunix.uhcc.Hawaii.Edu>
Subject: Beacons

Here's the list of beacons on 14.100 MHz; note that this is a coordinated system set up by the Northern California DX Federation (or is that Foundation?). There are nine beacons, each transmits for one minute, the cycle repeats every 10 minutes.

Callsign	Minute	Location	Lat.	Long.
4u1un/b	:00	USA, NYC, United Nations HQ	40-45N	73-58W
w6wx/b	:01	USA, Calif., Stanford Univ.	37-26N	122-10W
kh6o/b	:02	Hawaii, Oahu, Kaneohe	21-25N	157-48W
ja2igy	:03	Japan, Toyko, Mt. Asama(JARL)	36-24N	138-31E
4x4tu/b	:04	Isreal, Tel Aviv Univ.	32-5N	34-46E
oh2b	:05	Finland, Espoo, Helsinki TU	60-01N	24-32E
ct3b	:06	Madeira Island, Funchal(ARRM)	32-38N	16-54W
zs6dn/b	:07	Lebowa (Transvaal) Phatudi	29-35S	26-40E
lu4aa/b	:08	Argentina, Buenos Aires (RCA)	34-37S	51-21W
------	:09	[none for now]		

****

I've got a loooong list of 10 meter beacons that I received from the Ham-server - if enough folks are interested I'll post that, also.

Stay tuned for the NH6IL/B 10 meter beacon probably on 28.203 kHz within the next few months. Once it's up and running (5 watts into a 5/8 wave vertical) I'll make an announcement. I'll send out a cheap Hawaiian postcard with the callsign on the front (written with a felt-tip pen) for any reception reports I receive.

Jeff NH6IL (ex: WA6QIJ)

From qrp-request@Think.COM Tue Nov 2 14:01:00 1993
Date: Tue, 02 Nov 1993 13:02:34 -0600 (CST)
From: "JEFF M. GOLD" <JMG@tntech.edu>
Subject: Boooooooooo

It was a cold dark weekend in Tennessee. Halloween was fast approaching. The moon was full. The deamons, witches, goblens and ghools were all at maximum strength. The forces of nature were exerting their own power. It was cold. Oh so cold. Not your normal everyday cold, but a wet cold that has a way of getting down to your very bones. There is no way to warm with such a cold. Sweaters, heat, fires all are of no help.

I started to pace. I had an eeeeerrrryyyyy feeling. Not being superstitous, it was hard to attribute it to Halloween. But something was amiss. I had my father-in-law over for the weekend and had a stack of work that needed doing. Fortunately or unfortunately the work all involved outdoor tasks that were rendered undoable by the current weather conditions.

I didn't feel like starting on any new building projects, but somehow had managed to wander into the ham shack and found myself seated by the work table. Well there was one small project I was interested in finishing.

"No, don't do it," I told myself.

Next thing I knew the soldering iron was plugged in and I was sticking pieces on the CMOS Superkeyer II board. I finished sometime later and attached the battery holders and jacks. I put in the batteries and actually expected this to work the first time. There are very few parts and I was careful putting them in. I checked the bottom of the board very carefully with a magnifying glass and things looked perfect. Only problem was .. it doesn't work. When I was putting it together there is a 3 hole position for sometype of crystal device that is labeled Z1 in one part of the article and I think Y1 on the schematic. It said something about a digikey part that is 2mhz. There was a blue 2 legged part that had a 2.00000 on it. I looked at the schematic and the middle was ground.. stuck this gizmo in where the 3 legged part should go and ignored the middle ground position. Anyone know anything abou this? How about it Chuck, you ever finish the keyer. maybe it wasn't such a bargain for $25 after all. There was also the 102 cap missing. stuck another in its place. Any suggestions?

Well, boy was I depressed now. I checked the keyer, but wasn't much in the mood to mess with it. So I decided to take apart the ARK 40 and retune it. I do this quite often. I put a kit together, align it carefully and get it so it works. I then get on the air and test it for a while. Sometimes even though the measurements were correct, the rig

doesn't feel right. The receiver was working well, and I was getting great signal reports, but still I wasn't satisfied. I re-aligned the receiver and BFO and put it back together. The 40 meter band was horrible, a lot of broadcast stations. My Gary Breed 40 meter which usually works well, was totally worthless. I fired up the ARK. The stations were coming in crystal clear with the audio filter off. I tuned in a few signals that had broadcast signals almost wiping them out. I flipped on the audio filter and it about elimintated the problem. Next I turned on the 850 and started to compare weak signals and signals that had a bunch of inteference. I would really like to hear from other people using this rig and get their impressions. So far I am more impressed with this little rig than any other I have built (probably should be for the price). I talked with a professor here at the University and we may bring it into the communications lab and run some measurements on it. I am really anxious to see how my impressions come up against real live accurate measurements. I would guess that the sensitivity of the receiver will measure fairly well.

Sorry if I have bored anyone, work was crazy and had to write.

Have a good one.

72

Jeff, AC4HF

From qrp-request@Think.COM Wed Oct 27 16:01:14 1993
Date: Wed, 27 Oct 93 10:01:00 HST
From: Jeff Herman <jherman@uhunix.uhcc.Hawaii.Edu>
Subject: built your own parts

In keeping with the philosophy of QRP (simplicity, thrift, do-it-yourself) here is a list of articles concerning making your own components; this list is provided by the ARRL email server, a real goldmine of information (thanks ARRL!).

Jeff NH6IL

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From info-serv@arrl.org Wed Oct 27 05:59:19 1993
Subject: INFO response: COMPONENTS-HB-B

1975 November QST   p. 22
               Build Your Own Variable Capacitors

1976	December	QST Coils and the Beginner	p. 22
1977	February	Ham Radio Magazine Make Custom Capacitors	p. 36
	April	Ham Radio Magazine Graphic Aid to Winding RF Coils	p. 41
	July	Ham Radio Magazine Air Wound Coil Graphs	p. 42
	November	QST Homemade Differential Capacitors	p. 19
1978	April	CQ magazine Ciols -- AWG # of turns	p. 79
		CQ Magazine Coils Made of Ribbon Cable	p. 47
	May	QST Air Variable Capacitor Formula	p. 38
1979	February	QST INCONS (Combination inductor/capacitor)	p. 11
	April	QST Build Transmitter Plate Chokes	p. 30
		QST Bifilar Filament Chokes	p. 28
1980	October	QST Rewinding Transformers	p. 34
1983	February	QST Be Swithed Easily (Home-Built Switches)	p. 18 2 pages
1984	January	QST Some Practical Antenna Considerations	p. 30 5 pages
1985	February	QST Beating the High Cost of Parts	p. 24 4 pages
1987	February	QST Understanding and Constructing RF Chokes	p. 16 4 pages

March	QST	p. 34
	How to Build and Use Balun Transformers	4 pages
April	QST	p. 32
	Hardline Coaxial Connectors You Can Make	4 pages
	QST	p. 36
	Antenna Hardware You Can Build	4 pages
June	QST	p. 30
	Build Your Own MCM ICs	5 pages

From qrp-request@Think.COM Wed Oct 27 07:57:04 1993
Date: Wed, 27 Oct 93 7:51:57 EDT
From: Clark Fishman (FSAC-FCD) <cfishman@PICA.ARMY.MIL>
Subject: Century 21

the Century 21 was sold.....tnx for asking'

From qrp-request@Think.COM Fri Nov 5 12:50:49 1993
Date: Fri, 05 Nov 1993 11:50:40 EST
From: "Fred Cady ieefc@msu.oscs.montana.edu" <fred_c@ece.ee.montana.edu>
Subject: Classic 40 Receiver Info Wanted

Anybody out there have any experience with the Classic 40 direct conversion receiver that was described in August 1993 QST?

Inquiring minds want to know.

73, Fred, KE7X and Larry N7XWN, Bozeman, MT

From qrp-request@Think.COM Wed Oct 27 13:22:43 1993
From: "Kevin Anderson" <GGANDERSON@Augustana.edu>
Date: Wed, 27 Oct 1993 12:24:00 GMT-500
Subject: Complete int'l beacon list?

Chuck mentions beacons that exist on 14.100 mhz. I picked up a list of the beacons on 10m (from the ham-server in San Francisco), but I guess I have never seen a complete list of all the beacons on the various bands. Does such a list exist?

72 de Kevin KB9IUA

* *
Kevin L. Anderson, Geography Dept., Augustana College
Rock Island, Illinois 61201 USA phone: (309) 794-7325
e-mail: gganderson@augustana.edu or kla@helios.augustana.edu
* *

From qrp-request@Think.COM Fri Nov 5 09:40:54 1993
Date: Fri, 5 Nov 93 9:38:30 EST
From: "Henry T. Rand Jr." (FSAC-AAD) <rrand@PICA.ARMY.MIL>
Subject: CW SS Contest Expdn

I will be operating the CW Sweepstakes from AZ this weekend. Watch for me on the bands around .024-025 or a little lower or up near the QRP frequencies. Any contacts will be greatly appreciated, especially on Sunday afternoon. 73 and GL, Randy AA2U

From qrp-request@Think.COM Wed Nov 3 16:38:55 1993
From: karayan@cc.bellcore.com (karayannopoulos,george)
Date: 3 Nov 1993 16:34 EST
Subject: Dumb question #378

I'm new to this group. I have been considering QRPing for awhile now, and I'd like to find out what are the chances that I can do it. Here's my question: Has anybody in QRP-land been working QRP with an indoor antenna? (You guessed it! Apartment-dweller with antenna restrictions!) Is this meaningful, i.e., should I even bother? If it matters, for now I am restricted to Tech+ bands and 10wpm code, but that will change soon... I hope.

tnx es 73 de n2owo

_____
George Karayannopoulos N2OWO
karayan@cc.bellcore.com Bellcore, Red Bank, NJ
Disclaimer: The opinions expressed here are mine and not my employer's.

From qrp-request@Think.COM Fri Nov 5 09:14:54 1993
From: bob.berlyn@chowda.sbs.com (BOB BERLYN)
Subject: Dumb Question #378
Date: Fri, 5 Nov 1993 12:51:03 GMT

Hi George (N2OWO) as well as everyone else,

I,m new to the group also, (Oh boy two Newbeeeesss). First it's not a dumb question, I have the same basic problem.

George look at the Jult 93 QST page 34, there is an artical titled Honey I Shrunk the Antenna, this might be of some help. Also there is another artical in the November issue on compact loops.

An aquaitance is attempting to put together a Ham Stick dipole, this might be something to look at.

In my case I am home brewing a 30 Mtr rig and I want to take on the road with me. My job requires that I spend a lot of time in Hotels. (I'm an Airline pilot, when not radio active). Im looking for anyone with experience with an antenna that is compact, easly carried in a suitcase, reasonably efficent, and could be set up in a hotel room, that is sutable for 30 Mtr QRP.

Someone must have had to deal with this problem in the past. Any Ideas ?

73 es TNX DE N1PWU

Bob Berlyn N1PWU
Bob.Berlyn@chowda.sbs.com Just me
East Greenwich, RI

I wish I Understood Half of What I Think I Know

From qrp-request@Think.COM Wed Oct 27 14:41:25 1993
Date: Wed, 27 Oct 1993 11:44:04 -0800
From: burdick@interval.com (Wayne Burdick)
Subject: FD Results

It took me a while, but I finally found the Zuni Loopers (N6GA) listing in the FD results. Only two entries in that class, but I think they had the highest score of any battery-powered club group regardless of class (correct me if I'm wrong). Nice job!

W1FMR (QRP-NE) did similarly well, and with alot fewer ops per transmitter. Buncha unshaven, blearly-eyed dudes by the end of FD, I bet.

Wayne, N6KR

From qrp-request@Think.COM Thu Oct 28 18:26:42 1993
Date: Thu, 28 Oct 1993 08:59:00 +0000
From: "William (W.D.) Redfearn" <cmwdr01@nt.com>
Subject: re:MFJ 9020 For Sale

The MFJ 9020 is sold.

Thanks for the response.

==
Dave Redfearn, SR PC LAN Analyst   Northern Telecom RTP, NC.
ph.(919) 992-3925 email: cmwdr01@nt.com   qrl? de N4ELM/qrp

All opinions are my own and do not necessarily reflect the views of
my employer, co-workers or any other person, real or imaginary.

From qrp-request@Think.COM Thu Oct 28 07:57:02 1993
Date: Thu, 28 Oct 93 06:57:10 CDT
From: tardis@atd.mke.ab.com (Bob Citkowski)
Subject: re:MFJ Ad

don't look for the new items from mfj any time soon. i was at aes in milw. last weekend for yaesu days and asked about one of the other new items and all the sales people laughed and said that everyone was calling and inquiring about ordering the new items but none of them are available yet. they said that mfj would be lucky to have all of the new items available buy the middle of next year. mfj seems to have gotten in the let's advertise things that are vaporware mode in the last year. ;)

bob

From qrp-request@Think.COM Mon Nov 1 09:39:21 1993
Date: Mon, 1 Nov 93 08:46:31 EST
From: epacyna@auratek.com (Edward Pacyna)
Subject: For Sale

1. Built and tested receiver PCB from "Better Ears for the MAVTI-40" see QST article in October 1985 pg.14, or QRP Classics pg.140.

   The receiver is built on a gold plated (2 sided) PCB about 5"W x 3 1/2"W. It contains all the circuits of Fig. 6. The audio band pass has been optimized for a 600Hz center frequency. Although a 40M double tuned band pass filter is installed, this can easily be changed for the receiver to operate on any band. The PCB also includes T/R keying and antenna change over. Just add a VFO for a fully functional receiver. I recommend the NG1G premixed VFO (see QRP Quarterly) since the VFO buffer to drive the SBL-1 is on the PCB and this would allow you to build for any band. Add a transmitter and sidetone and you can build a complete transceiver around this module. One notable feature of this reciver circuit is the notch filter which works quite well. Price does not include the few components that are chassis

mounted (e.g. jacks, pots etc.). Full documentaion included. Price $50.00

2. Set of (3) PCB's for the "Ugly Weekender II" see QST June 1992 and 1992 ARRL Handbook. Price is $10 with documentation.

   Or, I will furnish a complete parts kit for this transceiver with these boards (less 7Mhz calibration osc., enclosure, knobs and jacks) for $50.

Shipping is not included in any of the above prices.

Ed Pacyna W1AAZ email: ed@auratek.com telephone: (617) 290-4800 X114

From qrp-request@Think.COM Mon Oct 25 07:36:21 1993
Date: Mon, 25 Oct 93 07:37:06 -0400
From: lakeith@wrdis01.robins.af.mil (CONTRACTOR Larry Keith;WR-ALC/653 CCSG/SCDD)
Subject: Re: FOR SALE

In your message of 22 Oct 1993 at 1316 EDT, you write:
>
> POSTING IS FOR A FRIEND THAT DOES NOT HAVE NET ACCESS.
>
> FOR SALE: TEN TEC CENTURY 21 TRANCEIVER IN EXCELLENT CONDITION
>
>   ASKING PRICE $150
>
>   SEND REPLY TO: cfishman@pica.army.mil
>
Tell us more! Who knows anything about Century 21's?

Larry, KQ4BY

From qrp-request@Think.COM Wed Oct 27 13:40:08 1993
Date: Wed, 27 Oct 93 13:28:09 EDT
From: Greg Buhyoff <BUHYOFF@VTVM1.CC.VT.EDU>
Subject: For sale MFJ 9030

I have an MFJ 9030, which for all practical purposes is in "mint" condition. It has the internal keyer installed. I will sell it for $140 plus shipping. It is in perfect working condition and it one of the new versions with indented RIT, fused power protection, audio output fix, and the "new type" enclosure cover (it is not painted but a high quality plastic coated sheet metal). It also contains the new larger magnet speaker. It puts out 4.5 watts. I am selling it because it duplicates my capabilities. Original box and manual.

Greg Buhyoff KN4FR, 703-231-5148 daytime 8am - 3pm EDT

From qrp-request@Think.COM Fri Nov 5 14:50:16 1993
From: gganderson@augustana.edu (Kevin Anderson -7325)
Subject: For Sale: Argonaut 509 QRP Xciever
Date:

Another QRP opportunity for someone from the rec.radio.swap.

(do not reply to me)   kevin, kb9iua,gganderson@augustana.edu

--- Forwarded message follows ---
From: bdavidso@nyx10.cs.du.edu (bill davidson)
Subject: For Sale: Argonaut 509 QRP Xciever
Date: Fri, 5 Nov 93 15:33:04 GMT

FOR SALE - Ten-Tec Argonaut 509 QRP SSB/CW transceiver

Rumored to be the best production QRP rig ever made.

Best Offer over $250 received by November 12, 1993 takes it.

Excellent condition. With optional SSB/CW audio filter, Owner's
manual, and copy of Bill of Sale from dealer to me. (Nice, clean
proof of ownership).

Details: (From Owner's Manual, unverified by me)

Owner's Manual includes complete schematics, parts list, and locations.

Frequency Coverage: 3.5-4.0, 7.0-7.5, 14.0-14.5, 21.0-21.5, 28.0-30.0

DC Power Input: 5 Watts PEP; 5 Watts CW

Power Output: 2 Watts, 50 Ohm non-reactive load, minimum.

Respond via Mail here or call Bill at (612) 565-4099.

NOTE: Would consider SWAP for high quality simplex autopatch

From qrp-request@Think.COM Fri Oct 29 13:03:26 1993
Date: Fri, 29 Oct 93 12:03:10 -0500
From: adams@chuck.dallas.sgi.com (Charles Adams)
Subject: Hambrew

Card I got from them said November. I understand that the advertisers
have gotten theirs, but haven't heard of anyone else.

ciao,
SIG
------cut here----------
Chuck Adams, K5FO - CP60
adams@sgi.com
QRP ARCI Awards Chairman

From qrp-request@Think.COM Fri Nov 5 16:51:13 1993
Date: Fri, 5 Nov 93 15:50:58 -0600
From: adams@chuck.dallas.sgi.com (Charles Adams)
Subject: Hambrew

I have in my hands a letter that I received last month dated 10/13/93.
This letter is from George De Grazio, WF0K, and I quote:

"Just a quick personal note to thank you for your subscription order.
Our first issue if just today off the presses and is being bound, trimmed
and made ready for distribution to our subscribers. You should receive
your copy within the next two weeks."

Well, I haven't heard a word. Anyone else out here received similar
letter(s) and has anyone received a copy.

See you on this weekend for the most famous contest of them all, SS.
My goal. To do all 70+ sections with 0.95W with whatever combination
on 40 and 20 meters. Using only the NN1G rigs. We'll see if the
front ends can handle the loading and if the rig has the selectivity
required for this monster of a contest. Read QST, there are some
slow freqs set aside. I'll be down as low as I can go and not get
outta the band. The bands will probably look like a Gaussian distribution
with the major pileups near 30-40KHz from the low end.

See you in another week. Next week will be like this one.

73 de k5fo es gl n tst   dit   dit
SIG
------cut here----------
Chuck Adams, K5FO - CP60
adams@sgi.com

QRP ARCI Awards Chairman

From qrp-request@Think.COM Fri Nov 5 17:28:14 1993
Date: Fri, 5 Nov 93 15:28:05 MST
From: Doug Datwyler <datwyler@moons.sim.es.com>
Subject: Hambrew

In response to Chuck's question, no letter, no magazine. I did receive a
card, can't remember when thanking me for subscribing and that the
goods would start to come in OCTOBER.

Anyone else?

Douglas L Datwyler WR7O
datwyler@moons.sim.es.com

From qrp-request@Think.COM Fri Oct 29 10:05:49 1993
Date: 29 Oct 1993 10:00:42 +0000
From: "Bob Scott" <Bob_Scott@cpqm.saic.com>
Subject: hambrew Magazine

                      Subject: Time:10:00
  OFFICE MEMO   hambrew Magazine   Date:10/29/93
Has anyone received their copy of this magazine yet? It was supposed to ship
in October.

73
Bob
AC4QO

From qrp-request@Think.COM Fri Oct 29 11:42:12 1993
Date: 29 Oct 1993 11:39:12 +0000
From: "Bob Scott" <Bob_Scott@cpqm.saic.com>
Subject: Re: hambrew Magazine

                      Subject: Time:11:38
  OFFICE MEMO   Re>hambrew Magazine   Date:10/29/93
 >> Has anyone received their copy of this magazine yet? It was supposed
 >> to ship in October.

>> I hadn't heard about it before today. What are the particulars?

It is a new magazine starting up that is supposed to focus on building

equipment. Sounded interesting. They have had small ads in some of the ham magazines. I have misplaced their phone number, but someone might have it.

From qrp-request@Think.COM Fri Oct 29 12:33:59 1993
Date: Fri, 29 Oct 93 09:39:06 PST
From: Michael D Wyman <Michael_D_Wyman@ccm.hf.intel.com>
Subject: Harris 45102-40PC

Text item: Text_1

I wonder if anyone knows where I might be able to get the Harris DDS HSP45102-40 in a DIP package. I have looked locally but have come up dry (QTH Arizona!) I would like to either get a sample of one or buy one.

Any help is appreciated . . . de Mike WB1CWD

From qrp-request@Think.COM Fri Oct 29 13:48:32 1993
Date: Fri, 29 Oct 93 10:46:33 PDT
From: mont@ibmmail.COM
Subject: homebrew mag?

How does one subscribe to the "Homebrew" mag?

tnx,
km6wt

From qrp-request@Think.COM Wed Oct 27 01:55:09 1993
Date: Tue, 26 Oct 93 19:53:55 HST
From: Jeff Herman <jherman@uhunix.uhcc.Hawaii.Edu>
Subject: huh?

Just to claify my last (got some emails from some who were confused):
Two rigs, two keys, two hands, two ears. Since you're sending the same thing with both hands (CQ CQ CQ DE ME) no problem sending with both hands at the same time. Don't have two keys? I'll send you some of my spare paper clips and thumb tacks! If you've got a wooden operating desk these paper clip keys work great!

Am I a nut? No more so than Chuck! Remember, no need to buy any components - you can make your own variable capacitors from tin cans, zip cord makes great leadin (what's the impedence?), and no one will miss a few parts from the TV.

Jeff NH6IL (was: WA6QIJ)

From qrp-request@Think.COM Sun Oct 24 23:22:25 1993
Date: Sun, 24 Oct 93 22:22:17 -0500
From: adams@chuck.dallas.sgi.com (Charles Adams)
Subject: It's Here

Received Friday nite - one NorCal 40 Kit.

Built in 6.5Hrs. Works first time every time!!

report to follow - film at 11.

73 dit dit

SIG
------cut here----------
Chuck Adams, K5FO - CP60
adams@sgi.com

From qrp-request@Think.COM Wed Oct 27 09:11:35 1993
From: Bob_Fairbairn-C12509@email.mot.com
Date: 27 Oct 93 13:07:18 GMT
Subject: Keys/Keyers

To: QRP

>   What's nice is to get proficient at using either hand to send with, so
> if one cramps up just switch (that's hard to do with a bug, though).
> Jeff NH6IL (ex: WA6QIJ)
>

I send with a keyer using my right hand and a key using my left. Lefties have all the fun (no wires to switch). I love the keyer and I use the keyer more because I can write and key at the same time. Now with a third hand I could

type and send a the same time.

Anybody done cross band full duplex on CW.....QSK to the max!

73 KF9OA

From qrp-request@Think.COM Wed Nov 3 08:38:03 1993
Date: Wed, 3 Nov 93 07:37:54 -0600
From: adams@chuck.dallas.sgi.com (Charles Adams)
Subject: Left Handed CW

I learned early in life (and I am right handed) to send with the right hand and with the pen in my right hand at the same time. Then the transition from sending to receiving requires no additional work on my part.

I know I take a lot of flak over my code speed. I don't force anyone to go at any speed but that which they are capable of. At speeds less that 40wpm, which is 99% of the time and 85% of that is below 30wpm, I write down every word. Sorry, it's just a habit that I have. Reason, to keep in shape and later, when I'm filling out a QSL card, I can remember what the individual said, rig, wx, etc. and make a note on something that I thought was neat. I can copy at any speed in my head and not write down a word. It's just that I have written so long that I don't want to give it up.

During a contest, you can send, copy the exchange and back to the ending and start the next contact. I personally wonder about keyboard operation during a test, where one is using CT or whatever, then sending with a key. Yes, I know about using an interface, but you're talking to the wrong person to even think about doing that. I am somewhat of a purist. Wouldn't think of having a computer do everything. :-)
I can outdo any computer that I've ever seen on copying through QRM, but I don't want to think of a computer ever winning SS, CQ WW DX CW, or any other major test by doing everything. I imagine the big guns all have computers, at least that's what I see on the cover of CQ whenever they show one of the big winners. It doesn't seem fair to just type in a call, push one button and have the entire exchange done for you. What's the fun in that? I have never won a contest on the air and never will. Not important to me. But I do respect those who do, I know how much work it really is.

The Dinasour Valley DX Society took seventh in 1-A in Field Day.

I'm not on my soapbox here gang, just started out with pen in hand and sending at the same time. :-)

73 de k5fo   dit   dit

SIG
------cut here----------
Chuck Adams, K5FO - CP60
adams@sgi.com
QRP ARCI Awards Chairman

From qrp-request@Think.COM Wed Nov 3 03:27:30 1993
From: martin.zurn@cen.jrc.it (Martin Zurn)
Subject: Left handed CW (not QLF)
Date: Wed, 3 Nov 1993 09:26:37 +0100 (MET)

Hi CW fans,

Yes it's a nice idea to send CW with the hand that you don't use
for writing. (especially for contest operation).

I practice it, too.

BUT: Can YOU really write something down whle ur sending code???
I CAN'T.... (is sumthing wrong with me? I cannot even speak
while I'm keying....)

Maybe I'm still a newcomer, even after 12 yrs of CW hamming...

Martin ik2rmz

--
martin.zurn@jrc.it

From qrp-request@Think.COM Wed Nov 3 07:21:41 1993
Date: Wed, 3 Nov 1993 07:21:13 -0500
From: Brad Mitchell <bmitchel@CBA.Kodak.COM>
Subject: Re: Left handed CW (not QLF)

> > Yes it's a nice idea to send CW with the hand that you don't use
> for writing. (especially for contest operation).
>
> I practice it, too.
>
> BUT: Can YOU really write something down whle ur sending code???
> I CAN'T.... (is sumthing wrong with me? I cannot even speak
> while I'm keying....)
>

> Maybe I'm still a newcomer, even after 12 yrs of CW hamming...
>
> Martin ik2rmz
>
> --
> martin.zurn@jrc.it
>
Well, I hate to admit it, but no, I don't actually write with my right hand while sending, unless I'm going 10wpm or so. The main advantage I see is that the pencil is already in hand, and that the paper and keyer are physically separated so that they don't get in each others way. I find this a big advantage when I'm putting a new home brew rig on the air with wires every where. I also have a hard time talking while sending, but I can perfectly understand my xyl while she is standing there talking, but I never reply. Maybe that's why there are so many divorces amongst the ham population?
         73 Brad

From bruce@Think.COM Wed Oct 27 14:42:07 1993
From: Bruce Walker <bruce@Think.COM>
Date: Wed, 27 Oct 93 14:42:08 EDT
Subject: List Information

QRPers,

Wow, someone must have advertised this mailing list in a very public place (probably USENET), because I have had requests from over 30 people to be added to the QRP list in the last two days. I think I am all caught up with the requests....Welcome to all the new subscribers!

There are now 212 addresses on the list, of which five or so are temporarily commented out because of vacations, etc. Included are representatives from W, VE, OH, I, PA, LA, SM, G, HB, KH6, KL7...hope I didn't miss any!

Happy QRPing....I hope to be on the air much more in the near future!

--bruce WT1M

From qrp-request@Think.COM Thu Oct 28 05:48:01 1993
Date: Wed, 27 Oct 93 23:47:53 HST
From: Jeff Herman <jherman@uhunix.uhcc.Hawaii.Edu>
Subject: List of 10M beacons

Gang,
   By popular demand here's the list of all 10M beacons - this list came from HAM-server@GRAFex.sbay.org - like the ARRL email server,

this is also a gold mine of information.
   As you scan this list it is interesting to note the power levels
of these stations, and the antennas used.
   Okay, turn on 10 meters as you follow this list and let's see if
10 is really dead.

Jeff NH6IL (ex: WA6QIJ)

****
Reply-To: server@GRAFex.sbay.org
Subject: File K:/hamradio/10meters/10MBEACO.LST, in plaintext, Part 1

------------ cut here -----------------

The following 10 meter beacon list has been compiled and maintained by
Joe Gumino (K2OLG). If you have any corrections, additions or
deletions please direct them to me (WA2ZYU @ KB1BD-4) and I will
forward them to Joe. Thank you for your interest and response to this
list in the past. Joe and I shall work to keep it current.......agn
tnx & 73.

10 METER BEACON'S de K2OLG 2/19/90 Part 1

Edited and distributed under OKIPN by N8GTC

FREQ.	CALL	OPERATION	LOCATION	NOTES
28.175	VE3TEN	C	OTTAWA, CANADA	10W, GP
28.191	VE6YF		EDMONTON, ALBERTA	10W
28.195	IY4M	ROBOT	BOLOGNA, ITALY	20W, 5/8 GP
28.200	GB3SX	C	CROWBOROUGH, ENGLAND	8W, DIPOLE
28.201	LU8ED		ARGENTINA	5W
28.202	KE5GY		ARLINGTON, TX	5W, VERTICAL
28.2025	ZS5VHF		NATAL, RSA	5W, GP
28.204	DL0IGI	C	W. GERMANY	100W, VERT. DIPOLE
28.205	KA3OEM		MEADVILLE, PA.	27W, YAGI/WEST
28.206	KJ4X		PICKENS, SC	2W, VERTICAL
28.2075	W8FKL	C	VENICE, FLA	10W, VERT.
28.208	WA1IOB	C	MARLBORO, MASS	75W, VERT.
28.209	NX2O	C	STATEN ISLAND, NY	10W, GP
28.210	3B8MS	C	MAURITIUS	GP
28.210	K4KMZ	I	ELIZABETHTOWN, KY.	20W, VERT.
28.210	KC4DPC	C	WILMINGTON,NC	4W, DIPOLE
28.212	EA6RCM		PALMA DE MALLORCA	4W, 5 EL NNE
28.2125	ZD9GI	C	GOUGH IS.	GP
28.215	GB3RAL	C	SLOUGH, BERKSHIRE	20W, GP
28.2175	W8UR		MACKINAW ISLAND,MI	.5W, GP

28.2175	WB9VMY	C	CALUMET, OK.	2W, DIPOLE
28.2195	LU4XS		CAPE HORN	
28.220	5B4CY	C	CYPRUS	26W, GP
28.221	PY2GOB		SAN PAULO, BRAZIL	15W, VERT.
28.222	W9UXO	C	NR CHICAGO, ILL.	10W, GP
28.2225	HG2BHA	C	TAPOLCA, HUNGARY	10W, GP
*28.225	PY2AMI	C	SAO PAULO, BRAZIL	5W, DIPOLE
28.2275	EA6AU	C	MALLORCA, BALEARIC IS.	10W, 5/8 GP
28.230	ZL2MHF	C	MT. CLIMIE, NZ.	50W, VERT. DIPOLE
28.232	W7JPI/AZ	C	SONOITA, ARIZ.	5W, 3 EL YAGI NE
28.233	KD4EC	C	JUPITER, FLA.	7W, GP
28.235	VP9BA	C	HAMILTON, BERMUDA	10W, GP
28.2375	LA5TEN	C	OSLO, NORWAY	10W, 5/8 GP
28.2405	5Z4ERR	C	KIAMBU, KENYA	
28.245	A92C		BAHRAIN	NW/SE DIPOLE
28.2455	ZS1CTB	C	CAPETOWN, RSA	20W, 1/4 VERT.
28.247	EA3JA		BARCELONA, SPAIN	
28.2475	EA2HB	I	SPAIN	6W, GP
28.248	K1BZ	C	BELAST, MAINE	5W, VERT. DIPOLE
28.250	W3SV	C	ELVERSON, PA	10W, VERT.
28.250	K0HTF	C	DES MOINES, IA	2W, GP
28.250	Z21ANB	C	BULAWAYO, ZIMBABWE	15W, GP
28.2505	4N3ZHK	C	MT. KUM, YUGOSLAVIA	1W, VERT.
28.252	WJ7X	C	SEATTLE, WA	5W, RINGO
28.252	WB4JHS	I	FLORISSANT, MO.	7W, VERT.
28.2525	OH2TEN		FINLAND	
28.255	LU1UG		GRAL PICO, ARGENTINA	5W, GP
28.2575	DK0TEN	C	ARBEITSGEN, W. GERMANY	40W, GP
28.259	WB9FVR	C	PEMBROKE PINES, FLA.	1W, DIPOLE
28.260	VK5WI	C	ADELAIDE, SA, AUSTRALIA	10W, GP
28.262	VK2RSY	C	SYDNEY, NSW, AUSTRALIA	25W, GP
28.264	VK6RWA	C	PERTH, WA, AUSTRALIA	
28.266	VK6RTW	C	ALBANY, WA, AUSTRALIA	
28.266	KB4UPI	C	BIRMINGTON, ALA	20W, 1/4 VERT.
28.2685	W9KFO	I	EATON, ILL	750MW, VERT.
28.270	ZS6PW	C	PRETORIA, RSA	10W, 3 EL YAGI
28.270	VK4RTL	C	TOWNSVILLE, QLD, AUSTRALIA	
28.2725	9L1FTN	I	FREETOWN, SIERRA LEONE	10W, VERT. DIPOLE
*28.2745	ZS1LA		STILLBAY, RSA	20W, 3 EL YAGI NW
28.275	AL7GQ	C	DENVER, CO	1W, LOOP
28.2755	N6RDX	I	STOCKTON, CA	20W, 3 EL YAGI
28.2775	DF0AAB	C	KIEL, W. GERMANY	10W, GP
28.280	LU8EB		ARGENTINA	5W
28.282	VE1MUF	C	FREDRICKTON, NB, CANADA	500MW, DIPOLE
28.282	VE2HOT	C	BEACONSFIELD, QUE	5W, VERT DIPOLE
28.2825	OK0EG	C	HRADEC KRALOVE	10W, DIPOLE
28.284	VP8ADE	C	ADELAIDE IS, NR ANTARCTICA	8W, V BEAM TO G LAND
*28.286	KE2DI		NR ROCHESTER, NY	2W, VERT. DIPOLE

28.286	KK4M	C	LAS VEGAS, NEV.	5W, VERT.
28.287	W8OMV		NR ASHVILLE, NC.	5W, GP
28.287	H44SI	C	SOLOMON IS.	15W
28.288	W2NZH	I	MOORESTOWN, NJ	3W, GP
28.290	SK5TEN		SWEDEN	
28.290	VS6TEN	C	HONG KONG	10W, VERT.
28.292	ZD8HF		ASCENSION ISLAND	
28.2925	LU2FFV		SAN JORGE, ARGENTINA	5W, GP
28.295	WC8E	I	CINCINNATI, OHIO	10W, RINGO
28.296	W3VD	C	LAUREL, MARYLAND	1.5W, VERT. DIPOLE
28.297	WA4DJS	I	FT. LAUDERDALE, FLA	30W, GP
28.301	KF4MS	C	ST. PETERSBURG, FLA	5W
28.3025	PT7AAC		FORTALEZA, BRAZIL	5W, GP
28.306	PT8AA		RIO BRANCO, BRAZIL	5W, GP
28.315	ZS6DN	C	IRENE, RSA	100W, VERT.
28.888	W6IRT		HOLLYWOOD, CA	5W, GP CODE PRACTICE
28.992	DF0ANN		MOTITZBERG, W. GERMANY	20MW, 1 EL DELTA LOG

* REVISION
------------- cut here -----------------

From qrp-request@Think.COM Thu Oct 28 13:09:10 1993
Date: Thu, 28 Oct 93 12:59:24 EDT
From: Greg Buhyoff <BUHYOFF@VTVM1.CC.VT.EDU>
Subject: MFJ 2030 -reduced

Last price too rich for everyone's blood, eh? Let's try this --
East of Mississippi -- $130 includes shipping
West of Mississippi -- $135 includes shipping

Reiterating -- mint condition, both appearance and operating, MFJ 9030
30 meter QRP rig --- purchased recently -- one of the new versions
(I guess that is what MFJ is talking about in their recent ads about
"improved" QRP rigs). RIT with center detent, increased audio output
and larger speaker, fused power input, and new type non-painted top
case cover. Price includes optional internal keyer. Orig box and manual.
Selling because it duplicates rigs and I need other toys.

Greg Buhyoff KN4FR Day:703-231-5148 8am - 3pm
                    Evenings: 703-951-4097 before 8pm Eastern

From qrp-request@Think.COM Mon Oct 25 21:19:38 1993
Date: Mon, 25 Oct 1993 21:17:00 +0000
From: "William (W.D.) Redfearn" <cmwdr01@nt.com>
Subject: MFJ 9020 For Sale

For Sale:
MFJ 9020 20 Meter QRP Transceiver

Good condition- some scratches on front panel.
14.00 - 14.075 MHz
Superhet RX, 5 watt TX.
RIT,semi-break-in keying, 4 pole crystal filter.
includes optional CW keyer and Audio filter.
with manuals.
$175.00 OBO, price includes UPS shipping in USA.

works fine, reason for selling - got a new TEN-TEC Scout.
73 - Dave.

==========
Dave Redfearn, SR PC LAN Analyst Northern Telecom RTP, NC.
ph.(919) 992-3925 email: cmwdr01@nt.com qrl? de N4ELM/qrp

All opinions are my own and do not necessarily reflect the views of
my employer, co-workers or any other person, real or imaginary.

From qrp-request@Think.COM Fri Oct 29 12:37:59 1993
Date: Fri, 29 Oct 93 12:30:16 EDT
From: Greg Buhyoff <BUHYOFF@VTVM1.CC.VT.EDU>
Subject: MFJ 9030 QRP rig For Sale

I'll try again but reduce the price!
MFJ 9030 QRP rig, 4.5 watts out, new and in brand new condition with
internal keyer installed. Recently acquired but it is a duplicate
of my capabilities. Works great. About 1 month old. It is one of
the "new" versions with the center detended RIT, improved audio
output, larger speaker, fused power input and very nice vinyl covered
sheet metal case top (these are probably the "improvements" MFJ is
citing in their ads). Original box and manual.

$130.00 shipped UPS east of the Mississippi
$135.00 shipped UPS west of the Mississippi

Greg Buhyoff KN4FR send mail here or call
Daytime weekdays 703-231-5148 before 3pm Eastern -- can leave phone
mail if I am not in and I will call you back.
OR -- weekends and evenings before 8pm -- 703-951-4097

From qrp-request@Think.COM Wed Oct 27 20:57:13 1993
From: rich@mulvey.com
Subject: MFJ Ad
Date: Wed, 27 Oct 1993 20:42:12 -0500 (EDT)

Has anyone heard anything about the new MFJ 12W SSB rig? I was browsing
through the latest QST and saw their ad. (They also talked about the

"improved" CW rigs, but neglected to provide any substantive information about how they were better. :-)

- Rich

From qrp-request@Think.COM Thu Oct 28 13:48:08 1993
Date: Thu, 28 Oct 93 13:48:52 -0400
From: lakeith@wrdis01.robins.af.mil (CONTRACTOR Larry Keith;WR-ALC/653 CCSG/SCDD)
Subject: More NICAD Packs

Well, I thought I got rid of all the NiCad battery packs. But, as I gathered some stuff together for the Lawrenceville hamfest, I found a dozen or so that I had tucked away in a special corner. So, if you need some, here's the deal.

These are military surplus NiCad packs, used.. There are 20 D-Cells in the pack. They are set up as four 6-volt packs with some circuit that displays the number of hours of charge left when you push a button on the panel. The packs are in a metal case.. Obviously, this thing plugged into something using the connector (weird type) on the back of the case. Size is slightly smaller than a shoebox. Forgot the weight but it takes 6 or 7 bucks to UPS them..

Tell you what I'm gonna do! For $15.00, I will ship you one. For $60.00, I will ship you five of these beauties. I think that will cover my shipping costs and add a few bucks to the 'New Rig Fund."

Anybody interested? Will consider trades..... What have you got?

73,

Larry, KQ4BY

From qrp-request@Think.COM Fri Nov 5 11:23:15 1993
Date: Fri, 5 Nov 93 11:17:13 EST
From: diana@dx198a.hsd.kodak.com (Gary Diana)
Subject: need article from QQ

Hello All -

    I have two queries for the group:

    1. Am I the only one who was missing pages 5, 6, 35, 36
        from the October 1993 issue of the QRP Quarterly?

    2. Does anyone out there have a copy of the "super tee"
        tuner? I believe it was featured in a previous issue
        of QQ, but that was before I became a member.

Any assistance in getting a copy of this article will be appreciated.

Thanks.

Gary N2JGU
gmdiana@kodak.com

From qrp-request@Think.COM Wed Oct 27 16:05:14 1993
Date: Wed, 27 Oct 1993 14:01:17 -0600 (CST)
From: Peter Hardie <hardie@jester.usask.ca>
Subject: Need MT

Are there any QRPers out there in North Dakota who are willing to do a sked with me? It is the last state that I need to complete 2-way QRP WAS and I didn't hear any ND stations during the QRP ARCI contest. I had a sked with Fred KE7X in Montana last night on 40 meters which polished off the second last state I needed. He was using 2W out and was 10dB over S9 here at 0100Z so an ND station shouldn't be too difficult to hear on 40m, but can also do 80m if necessary.

Pete
ve5va.qrp@usask.ca

From qrp-request@Think.COM Wed Oct 27 17:09:39 1993
Date: Wed, 27 Oct 1993 15:06:03 -0600 (CST)
From: Peter Hardie <hardie@jester.usask.ca>
Subject: Re: Need MT

As you will notice from the title and the text, one of the reasons it has taken me so long to complete the 2-way QRP WAS is that I am one really confused lunatic. The text of the message is correct - I need ND. Ignore the title!
Pete "Huh? - where am I?" Hardie
ve5va.qrp@usask.ca

From qrp-request@Think.COM Mon Sep 13 14:16:21 1993
From: skitch@NADC.NADC.NAVY.MIL (M. Squicciarini)
Subject: New Ham Magazine

The following is the text of a postcard I received last week. It

announced a new magazine that maybe of interest to the group. I have posted this FYI and standard disclaimers apply.

> Dear OM,
>
> In the past, on at least one occasion, we have enjoyed a QSO together (ed. I checked my logs and we QSOed in 1988 QRP). I am writing to you because I want to tell you about a new ham magazine which I am about to launch. It's designed especially for the hams who like to build their own equipment and antennas, whether from kits or "scratch-built", even modifications to existing rigs. It's called Hambrew, and we are getting a great response to the idea from hams all over the country! "It's just what we need," I hear again and again.
>
> I hope you will c'mon aboard and try a $20 yearly subscription now. You'll like Hambrew - it's a quarterly by hams, for hams, not sold in stores.
>
> If you order before November 1, 1993, I'll throw in a free bonus extra copy as a thank you for helping us get off the ground: five issues for the price of four.
>
> We've even go an "800" number to make ordereing easy for Visa and MC holders: Call now and say "Hello"! 1-800-5-HAM RIG. And thanks!
>
> Warm Regards and 73,
> George De Grazio, WF0K (ex KB0AHD, N0IHS)

I ordered the magazine and when I get my first issue I'll review it.

73 -- marty -- nr3z skitch@nadc.navy.mil

----- End Included Message -----

From qrp-request@Think.COM Fri Oct 29 12:46:45 1993
Date: Fri, 29 Oct 93 11:46:32 CDT
From: Ken.Hopper@Central.Sun.COM (Ken Hopper SE Chicago Loop)
Subject: re: New Ham Magazine

----- Begin Included Message -----

From qrp-request@Think.COM Wed Nov 3 07:57:04 1993
Date: Wed, 3 Nov 93 06:56:52 -0600
From: adams@chuck.dallas.sgi.com (Charles Adams)
Subject: NN1G Mark II

Doug, and I quote, says " Say, Monday was a dead day on the net.
What happened, you guys have a rough weekend??? Where is Chuck
Adams????? CuL, 72, Doug". Ha, and you thought I wasn't serious
when I said I was cutting back. :-) I'm in overload.

Texoma last Saturday was cold and there was snow on the ground.
Friday nite starting about 10pm there was sleet and snow at the
ranch. I thought that I might not be able to drive to Texoma at
6 am on Saturday, but I awoke to a 26 degree temperature, but no
accumulation of frozen stuff of any kind. Drove up with NN1G-40
in the truck, listening to the CQ WW DX test in full swing, but
did listen to CW most of the way with no problems. Did not operate,
since there is no way I'm going to subject anyone to a 950mW signal
mobile. :-)

The OKlahoma QRP group was there, about 10 of them anyway, and Dave
AF5U and I set up some rigs in a suite in the hotel. We had quite
a bit of traffic through the room all day. Antenna situation was
poor, but we really didn't have time to operate anyway. There are
a large number of QRPers out there that don't belong to any organization.
They are quite happy to just do their thing and happy to show up once
in a while during a QSO party, field day, or whatever. Some never get
on the air. That's what it is all about. Not everybody has to belong
any organization. That's life.

OK, now to the topic at hand. Dave, NN1G, has come out with the new
version of the NN1G rig. It's called the NN1G Mark II. It will be
published in the December issue of the QRP ARCI Quarterly. It is set
up for either 80, 40, or 30 meters and of course, the 20 meter version.
The board for the receiver, which I now have one of, is now 2x4", slightly
larger than the previous rig (which I guess is called the Mark I). I
got 4 or 5 pages (didn't count them last nite) on the new rig and what
I'd guess is a copy of the article. He went to the 10mm 10.7MHz IF cans.
These will be cheaper and take up a little more room than the 7mm IF cans.
Guess there are too many new hams that have not enough experience to remove
the small cap in the base without doing some damage. The 80/30 meter versions
do not require you to remove the caps. I don't have the info with me, but
the IF freqs changed for 10.0MHz on all the bands (guessing on 20M, since
the article did not include a table for the 20M band, but the old values

should work).

The new board is beautiful and without silk screening. Made by FAR Circuits. Also drilled with new mounting holes (hope this was my suggestion that they took). Note said that Dan's Small Parts will have the new boards. I'll call and check and get back to you.

I got a new set of crystals for the NorCal40, but haven't tried them out yet. The US Post Office, in it's infinite wisdom manages to bend one of the cans, so I have to check out all the crystals before putting them into the rig. I built a prototype oscillator, and was checking 100 crystals on 4.9152MHz, 50 each from two different manufacturers. Experiment to show activity and resonant frequency and distribution of a batch of crystals. I used to do this stuff in my undergraduate days for HP, James Knight, and Collins Radio. Look at the name on the patent for the digital thermometer for HP. I digress.... Someone check on FAR catalog, as I can't find mine right now, does Fred have a board for the Doug DeMaw F,R, and Q circuit from "QRP Classics" book? I need to build one up or borrow one. My fax number is (214) 788-1376, if you have a catalog.

I also now have a scanner. If you have something, not copyrighted, in print that you think we should post to the QRP email group, let me know. I ain't proud. :-) I can post catalogs from FAR and Dan's Small Parts, which I don't think is commercial use of this group, but distribution of information that we all could use. Depends upon how many of you guys and girls are paying for the line. I know that Doug H. spends some money on his email for long distance calls, but he doesn't seem to mind and he is hungry for information. Education is expensive anyway you get it.

OK, back to my hole. See you in a few days.

73 de k5fo/qrp   dit   dit

SIG
------cut here----------
Chuck Adams, K5FO - CP60
adams@sgi.com
QRP ARCI Awards Chairman

From qrp-request@Think.COM Wed Nov 3 15:37:59 1993
Date: Wed, 3 Nov 1993 15:35:06 -0500
From: Brad Mitchell <bmitchel@CBA.Kodak.COM>
Subject: Re: NN1G Mark II

>
> I also now have a scanner. If you have something, not copyrighted,
> in print that you think we should post to the QRP email group, let
> me know. I ain't proud. :-) I can post catalogs from FAR and
> Dan's Small Parts, which I don't think is commercial use of this
> group, but distribution of information that we all could use. Depends
> upon how many of you guys and girls are paying for the line. I know
> that Doug H. spends some money on his email for long distance calls,
> but he doesn't seem to mind and he is hungry for information.
> Education is expensive anyway you get it.
>
> OK, back to my hole. See you in a few days.
>
> 73 de k5fo/qrp   dit   dit

Chuck, why don't you scan the new NN1G-II artwork, mirror image it, and put it on think.com under the artwork directory, that is if NN1G hasn't copyrighted it. That way we people that don't have the means to buy the latest kits very often might be able to build the board, and scrounge the parts..

          73 Brad WB8YGG

From qrp-request@Think.COM Tue Oct 26 19:27:39 1993
Date: Tue, 26 Oct 93 18:24:49 -0500
From: adams@chuck.dallas.sgi.com (Charles Adams)
Subject: NN1G Rig

i found that the 10K resistor across the output of the MC1350 IF Amp, if reduced to 5K reduces the noise in the audio quiet a bit, but doesn't seem to really cut into the sensitivity all that much. anyone want to try this and give us a report. is it one of a kind deal?

dit   dit
SIG
------cut here----------
Chuck Adams, K5FO - CP60
adams@sgi.com

From qrp-request@Think.COM Wed Nov 3 17:17:17 1993
From: randy@cyphyn.radnet.com (Randy)
Subject: no subject (file transmission)

Date: Wed, 3 Nov 1993 17:16:28 -0500 (EST)

Finally got to do it!

Ever sence I got my ticket , I wanted to build and get at least one contact on a Transmitter that I think was designed in the 20's....a single triode filament type # 26. (1.5 v 1.05 amp fil. other wise like #30 tube)

The tube being available at Antique Electronic Supply, along with socket, tuning condenser, and other assorted parts, all I had to do was wind the coil and cut up a wood base to mount it all on.

B+ is 100v and oscillating, the tube draws 10-12 ma.

Plate coil is 40 uh, tuned by a small 50 uuf condenser.
Ant coupling link is 6:1 turns ratio, inter wound with the 40 uh

(if interested, I'll send diagram and physical layout plans right here, which are compatible with text screens...all ASCII)

Any way... I had built it 4 months ago and all that remained was to get the FT 243 crystals in the mail.
So for too long a time, it just sat at a friends house, as a decoration.

Two days ago, the crystals arrived.
I called N1KGY on 80 m CW all afternoon to tell him about it, sence the rig was at his house (he is a beginner in all this so it's a big thing to him).
Yesterday evening, he came over and we went to his place...only to find we forgot the 5 ohm 10 watt resistor to drop 6vdc down to 1.5 vdc (aprox!) to run the filament with.
Radio Shack was closed, and his wife did not think too much of us wanting to borrow some toaster wire out of her 2 slice pop-up toaster.

RATS!

But... we had an 811A (6v 4 amps fil, and easy to sub for 26) which, if run at 100v B+, should act similar to a #26..

So, 'lets try it!'

To connect to the plate, normally pin 2 on #26, had to run a wire by shoving tube (811) pin down on it in pin 2's position, and run it up to the top of the 811 .
There, it was simply twisted around the connector.
Everything else was able to stay as it was.

Connecting up the power supply with 4 wires...A+ A- B+ B- , and

turning it on, the tube lit right up, and the 6 volt 3 amp supply hummed.
 (Wooo we better get this done soon!)

 Plugged in a crystal for 3710kc, and set the 50 uuf to full mesh, the set was tap-keyed until the right setting on the 50uuf was found.

It works! It's ALIVE! and almost no chirp, either!!!

 Off comes the 51 ohm 1/2 watt resistor load, and on goes the antenna. The receiver, went to a second wire indoors which we draped around the living room (while his wife scowled at us).

 Myself, having run QRP before, and at much lower levels (gave my self quite a jolt contacting someone on 35 mw) , I had Chuck (N1KGY) sit down at the key, and go thru the tune up oddness such a rig has, and so be the one who catches someone.

 Chucks ant is not all that swift, being a 40 mtr center fed with 300ohm twin lead...put up for SWLing mainly...and never got around to changing it over...
 So we used it as a random wire single worked against ground....which 'works' for our intercom-like use over the 20 mile distance between us.
(We use 80 CW for that and run 10-25 watts for such QSO's de la information)

 Being rock bound, we had to sit and wait for someone to do a CQ or finish up a QSO close by to our freq, before we'd call them back...so we waited.
 1 kc above us, was a guy calling CQ and not getting replys...so we tried to reply...tried and tried and tried....so same the gyy out there, calling CQ....calling CQ...calling CQ.
  "Come on man! hunt around the dial! we're just below ya! we're here! we're here!", I said aloud, to the 811 (so it appeared as).
  (Chucks wife frowns at us , while she ducks under the Rx ant going across the kitchen and into the living room)

 Well, we never did GET anyone on it, but using a similar rated set and ant, I once got 2 stations...so it's only a matter of time....
 I went home, the rig stayed there, and it's evening now, and I k n o w that Chuck will give it another try...and will get some one!

And...I get to hear the rig! Thats the best part!!!

I gotta go listen! See ya later!

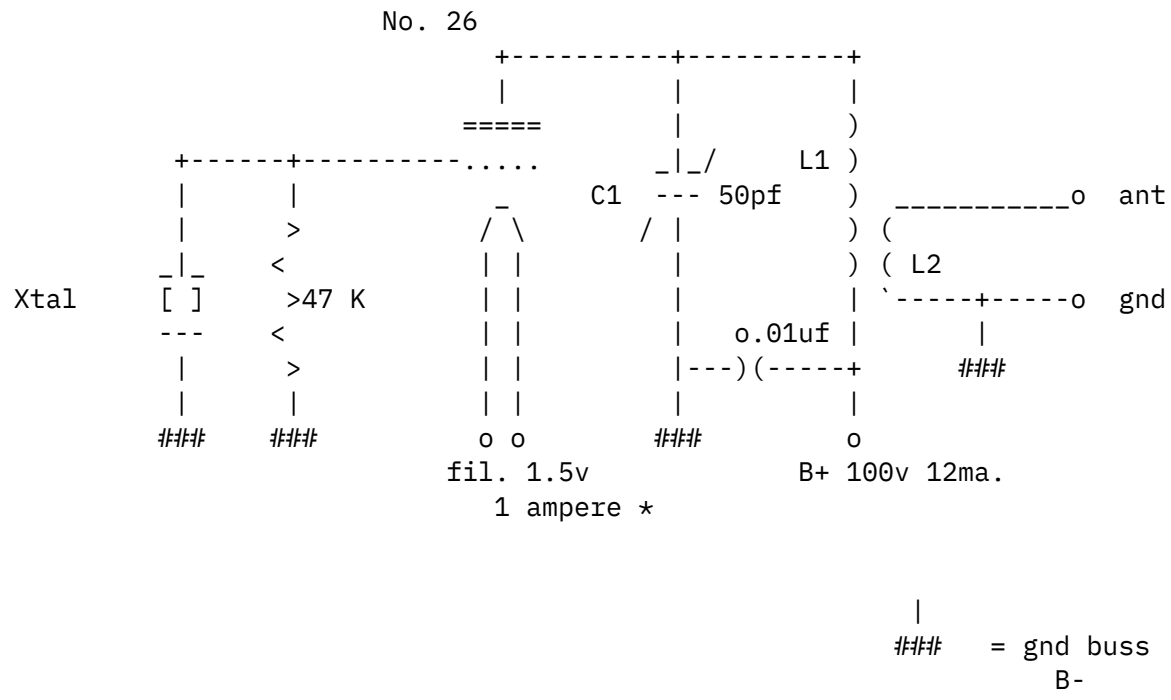
--
73's

Randy (KA1UNW) 192.153.4.200   randy@cyphyn.radnet.com

From qrp-request@Think.COM Wed Nov 3 17:53:25 1993
From: randy@cyphyn.radnet.com (Randy)
Subject: No. 26 Triode Transmitter
Date: Wed, 3 Nov 1993 17:52:37 -0500 (EST)

Plans for No. 26 Triode Transmitter, using obtainable parts.

UNW T-1 Triode Tube Transmitter



* Fil volts come from 6.3vdc, via 5 ohm resistor
    each fil pin gets o.01 uf to gnd buss

Key will go from one of fil pins, to gnd

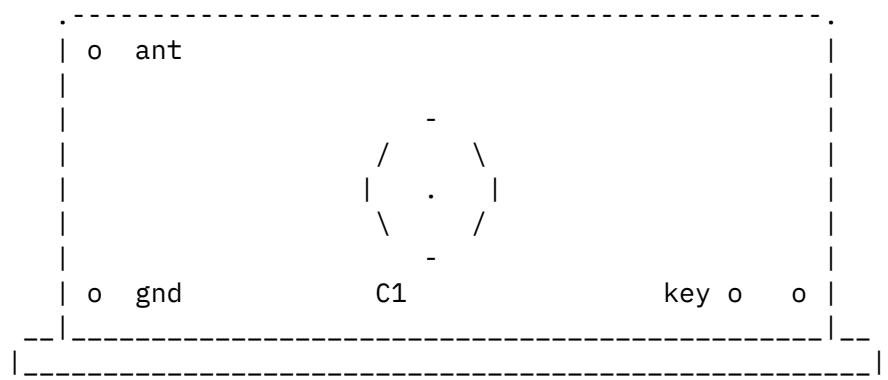
L1... 80mtr-- 40uh 40mtr--- 20uh

L2... 1:6 turn ratio (low z out)
       inter-wound on cold end of L1

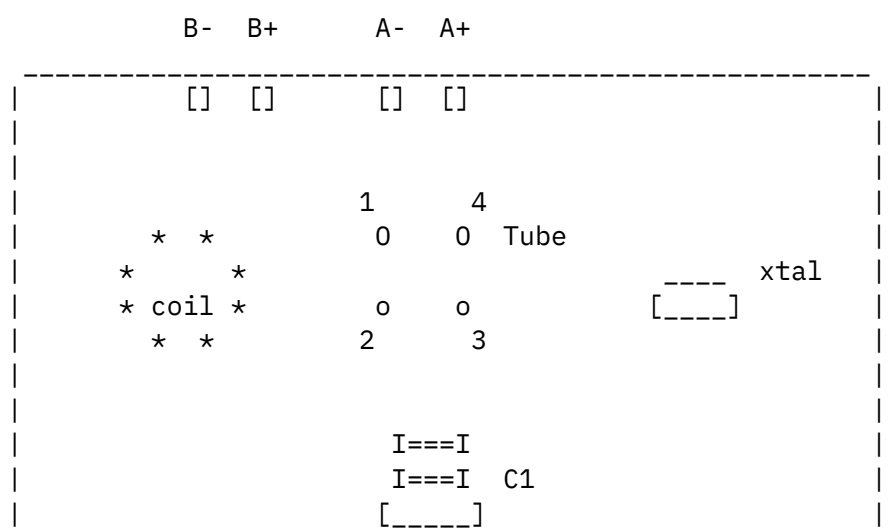
Max power obtained : 270 mw

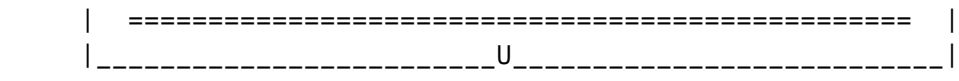
No. 26 Tube Transmitter, Const.

Front view



Top view





Dimensions simply cut to suit stock and parts sizes...plywood,sanded & varnished.

Tube socket, a 4 pin 'standard' , flange type, was mounted by using long threaded #6-32 rod and 4 nuts each.

Crystal socket (Also at W 0 L P S) was mtd using #14 wire, L shaped.

Rod was obtained at 'Home Depot' hardware store.

Coil form is white PVC pipe, sanded with #250 grit to give it 'grip' for the #24 wire...then wire is varnished to lock the turns. Looks like ceramic when done.

(If anyone wants the coil winding formulas, contact me)

Wiring was done with 'routed' #14 ga. bare solid.

47k was mtd under crystal socket

.01 uf's, disguised as oldies, mtd near fahnstock clips

73's

--

Randy, KA1UNW randy@cyphyn.radnet.com randy@192.153.2.200

From qrp-request@Think.COM Tue Nov 2 13:40:54 1993
Date: 2 Nov 1993 14:39:37 +0000
From: "Bob Scott" <Bob_Scott@cpqm.saic.com>
Subject: NorCal 40

NorCal 40

Has anyone else received their NorCal 40. I was kinda hoping that it would show up on Friday cause it rained all weekend and I could not work on my antennas. Well, maybe this week.

From qrp-request@Think.COM Wed Nov 3 12:50:25 1993
Date: Wed, 3 Nov 1993 09:52:21 -0800
From: burdick@interval.com (Wayne Burdick)

Subject: NorCal 40

Thanks to all of you who have ordered NorCal 40's, and not gotten them yet, for your patience. The second batch of kits are on their way and you should get them within a week or two.

Note to NorCal 40 builders: The errata sheet that comes with the kit describes how to choose the right value for resistor R6, which sets the AGC level. As it turns out, R6 may have to be larger than 10M in some cases. An easy trick is to use the 10M and 4.7M resistors in series. You'll know you have the right value for R6 when it doesn't reduce the receiver volume under no-signal conditions. However, you should be able to hear the AGC reducing the volume of loud signals.

As a final tweak, if you used an 8.2M or larger value for R6, you might want to decrease the size of the AGC capacitor, C29, to 1.0uF. You must use a non-polarized capacitor, since this point of the circuit can have either a positive or negative voltage.

Those who haven't started building their NorCal 40's yet will be happy to know that only two of the first 20 or so builders encountered any difficulty. A side effect of this is that I have NOT gotten deluged with phone calls or letters. So, with this newfound courage, I hereby offer my home phone number, (415) 592-2700. Feel free to call me if you have any difficulty building the kit. (Before you call, make sure you have gone through all of the steps in the Troubleshooting section of the manual, please! Imagine your embarassment should we discover that you have nothing more serious than a solder splash!)

73,
Wayne, N6KR

Wayne Burdick
wayne@interval.com
(415) 354-0928

Interval Research Corp.
1801-C Page Mill Road
Palo Alto, CA 94304

From qrp-request@Think.COM Wed Nov 3 15:01:14 1993
Date: Wed, 3 Nov 1993 15:00:53 -0500
From: david jerome adams <djadams@silver.ucs.indiana.edu>
Subject: Re: NorCal 40

What is the NorCal 40 kit?

Dave, N9UXU

From qrp-request@Think.COM Wed Nov 3 16:11:24 1993
Date: Wed, 3 Nov 93 16:11:29 EST
From: doug.snowden@ccd.harris.com (Doug Snowden)
Subject: Re: NorCal 40

I am new on this group. I assume the NorCal is a receiver of some sort. Whats the scoop?

Doug, N4IJ

From qrp-request@Think.COM Thu Oct 28 11:38:14 1993
Date: Thu, 28 Oct 93 10:40:44 EDT
From: epacyna@auratek.com (Edward Pacyna)
Subject: P40C

Randy was on 7.003Mhz last night around 10:30 PM EDST. He attracted a big crowd. I was able to QSO him with my new homebrew QRP transceiver and a 68' foot end feed wire antenna on about the 15th call. His signal was weak up here in Massachusetts (S4 to 5). He was giving everyone a 599.

My transceiver is a highly modified version of the "Optimized QRP Transceiver by W7EL"(Ref: QST August 1980, QRP Classics 2nd printing or recent ARRL handbooks). The mods include a lot of filtering in front of the SBL-1 RF port, wideband termination of it's IF port, an alot of stong audio filtering including a 7th order ellipitical filter with 1.4:1 shape factor. As a result I was always able to hear Randy through the pile up callers, tuner upers etc. Although the receiver is a wonder of simplicity, most of the commerical radios I've used would not have handled the situation nearly as well (would hear just a big blur until the frequency quieted down), due to poor front ends, filtering and agc.

It's true, if you can't hear them.....you can't work them.

73

Ed W1AAZ

From qrp-request@Think.COM Mon Oct 25 10:44:22 1993
Date: Mon, 25 Oct 93 09:33:52 EDT
From: epacyna@auratek.com (Edward Pacyna)
Subject: PCB's for Micro 20 Receiver

I only had 4 and they have all been sold.

73

Ed W1AAZ

From qrp-request@Think.COM Wed Oct 27 09:40:40 1993
Date: Wed, 27 Oct 1993 08:42:16 -0500 (CDT)
From: "JEFF M. GOLD" <JMG@tntech.edu>
Subject: QRK 40 review

Ok,

As promised..just got it on the road and here is my views:

Please do not reprint this without permission (Yet).

If you are looking for something different in a QRP transceiver kit S & S Engineering may have just the kit for you. Their new ARK is a synthesized QRP single band transceiver. It uses a super heterodyne receiver that covers from 7.000 to 7.1999 MHz and the transmitter puts out 5 clean watts. The rig offers full break-in (QSK) keying. What makes this rig different than the other QRP rigs out is that it uses two phase-locked loops to synthesize the frequencies. Tuning is done with thumb wheel push button switches. When you are on a frequency you know exactly what it is. If someone asks you to QSY up 5 you know you will be exactly on that frequency. The rig also comes with RIT, AGC for easier listening, crystal filters and an narrow (200Hz) audio filter. There is plenty of audio to drive the included speaker.

When I first looked at the $269.95 price tag I was a little taken back. The finished transceiver has more features than most (such as the narrow audio filter), but this is the highest priced mono-band QRP transceiver that I am aware of. As I finished building and testing the rig the reasons for the price tag became more apparent.

S & S offers a guarantee that the rig will work as advertised or you can send it back and they will fix it. They have a company policy that they will do everything in their power to get the rig fixed and out the door within 24 hours of receiving it. If the problem is found to be caused by a faulty part or fault of the companies it will be fixed for free. If you have put a part in the wrong place or done something wrong they will fix it for under $25.

I have built kits of all levels and all levels of instructions. Some kit suppliers basically give you a bag of parts and a schematic. Heath use to be on the other end of the spectrum and tell you in minute step-by-step detail how to assemble the rig. The S & S instruction manual is a work of art. It was professionally written with excellent quality type, good schematics and excellent photos. The instructions are step-by-step, but not in the Heath approach. One step will say put in all the resistors. There is a master list of parts that has complete descriptions of each parts. There is then a separate parts list with a two checkoff boxes so that you can use this to build the boards with. The parts list is in the back of the manual. At first I wasn't sure I liked this approach. I went to the step that said to solder the resistors and then went to the back of the manual to use the parts check off list. While building the boards, I found this worked fine. The parts list has complete descriptions of each parts including things like the color code on the resistors. This make part placement a lot surer. One of the biggest problems builder experience is incorrectly identifying parts and putting them in the wrong place on the board. The assembly instructions for each of the boards is separate and then the final assembly process and alignment are each separate. The manual also has very nice sections explaining the theory of operation of the rig and a trouble shooting section. This was by far the most complete and well done manual I have come across since building my Heath HW9.

The next area I was really impressed by was the kit itself. There are two main printed circuit boards and one small board. There are over 1000 solder connections in all. They clearly state that this is not a beginner's kit. I found that with a little help a beginner should easily be able to build this rig. It is in fact much easier to build than many of the other QRP kits on the market. There are a lot more parts in this kit, but the way the kit is packaged makes it a different type of kit. The two main boards and their corresponding parts are each packaged separately. Within each board packaging parts are packaged separately. If there are a lot of the same resistors or capacitor, they are put in separate packages. If there is any chance of a part being identified incorrectly it is in a separate wrap and clearly labeled. The coils are all pre-wound. In one case there are tiny surface mount capacitors and they give you an extra in case you mess it up. It turned out that this was the only part I had trouble with. I used some surgical forceps that lock and managed to crunch one. It was no problem, I just used a different tool and used the spare

capacitor.

My approach to building a kit is to take all the parts out of the box and check them off and separate them. I usually take a big piece of paper for the resistors and capacitors. I label the number of the components (ex: R1, C34), and put the leads through the paper. I find that when I build I am much less likely to make a mistake using this method. I also know ahead of time if I am missing a piece and can call and get one sent before I need it. This is usually my least favorite part of building the kit. I found that the parts were so well prepared with the ARK 40 I built that I didn't need to do this. I took a number of small plastic bins and just dumped each of the pre-prepared packages into each one. There were no missing parts with this kit. With the resistors many had been sorted and I only needed to sort out a small number of them. The same was true for the capacitors. The S & S Engineering approach to preparing their kits made the building process a lot more enjoyable.

When examining the boards I found them to be clearly silk screened and the best quality I have come across. A lot of time went into numbering components so that they are easier to locate on the printed circuit board while building. The boards are double sided and plated through. This makes the soldering a lot easier and solder connections come out better with less chance of cold soldering joints. The down side to this type of board is that if you put a part in the wrong place it is a lot harder to remove it from the board. The parts in the kit were also all top quality. The case is fantastic and should stand up to about any type of use.

This isn't a kit you would want to throughout together quickly. Building is a type of therapy for me. After a tough day of work I love to come home, lock myself in my ham shack and work on building something. The nature of the kit determines in many cases how much enjoyment I get out of building. I found that due to the careful attention to detail and quality of all components that this was one of the most enjoyable projects I have ever done. I was able to come home and work on the kit for 10 minutes or 2 hours and enjoy every moment of it. I found that the manual was complete enough so that I didn't get frustrated and was written in a way so that it didn't insult my intelligence.

After you complete each board you are given some simple resistance checks to perform with an ohmmeter. You can tune this rig up without any special equipment by using a receiver with a digital readout. If you have use of a frequency counter, it is a lot easier. A scope is always

preferable for tuning up the transmitter, but you can do a good job without one using a power meter capable of reading QRP levels The alignment procedures are very clear and detailed. They even give you a good plastic alignment tool for the coils. If you run into problems with the alignment the trouble shooting section should help point you in the right direction to localize the problem. If you need to take advantage of the service, you will find the people at S & S Engineering knowledgeable and helpful .

I still get real nervous when I first power up a rig, especially one that has so many parts in it. The more parts the more likely I have made some dumb mistake. No matter How careful I am, I always seem to put something in the wrong place. I anxiously turn on the power while at the same time looking and smelling for smoke. When I flipped the switch on this rig, the power came on and no smoke billowed out of the rig. Boy was I happy. I feel if I get this far, nothing too bad can be wrong.

I started aligning the transceiver using my digital frequency counter as directed by the instructions. I used a small digital multimeter to check the voltage at one of the ICs. The voltage was a little off. You change the voltage by either spreading or compressing the coil windings of one of the coils. It isn't very hard to do. I would suggest that after the rig is completely operational and checked out you might want to put a little glue on the windings to make sure they stay in place. Most of the alignment procedures are very typical of QRP transceivers. There are two coils and a couple of variable caps to adjust the receiver section and two transformers for the power output of the transmitter. I didn't have a scope at home and used my QRP watt meter to adjust for maximum output. The transmitter was putting out better than 6 watts, so I adjusted it to about 4.5 watts. I went to a hamfest the day after I aligned the rig and came across a good deal on a scope. I went home and checked the wave form of the transmitter out with the scope. I found the wave to be very nicely shaped. I found that when I played with the two transformers and adjusted the power level down that the wave form was still very good. I believe you can easily align the entire rig using another rig that has a digital readout, a voltmeter and a power meter that reads QRP levels.

Building the rig is half the fun. Putting a rig I just have built always is an exciting experience for me. This was no exception. I was impressed with the quality of parts and had a really good time building the kit. I was very anxious to see if the rig performed as good as it looks. I usually find that I like to align a rig, put it on the air and

then take it apart and fine tune it. I usually go through this procedure a few times before I am satisfied with the way a rig operates. No matter what the frequency counter and other test instruments tell me, I like to tune a rig till it feels right for the way I operate.

I plugged in the antenna and key and turned on the power. The 40 meter band was not in very good condition. I tuned around a little and heard someone calling CQ. I answered and he came back with a QRZ? This was a good sign as far as I was concerned. I answered back with my call twice and turned it over. Ralph,N3QF in Washington DC, came right back to me. We had a nice forty minute rag chew. The radio received an excellent signal report. The other person was very impressed that my 4.5 watts was getting through all the atmospheric noise. He said my signal had a very nice sound to it. I listened on my Kenwood 850 to the keying and it sure sounds sweet.

At first I had serious reservations about the use of push buttons to tune around the band. I found that after a few minutes I didn't mind this method at all. The rig sounds great, is very sensitive, has great full break-in keying, and is extremely rugged. The size is about right for backpacking or portable operation. I am impressed with this little rig. It is a fun to build and operate rig.

From qrp-request@Think.COM Tue Oct 26 14:37:09 1993
From: msreynol@MIT.EDU
Subject: QRP Mailing list
Date: Tue, 26 Oct 93 14:36:56 EDT

Please add my email address, msreynol@mit.edu, to the QRP mailing list.
Thanks! Matt, KB2ACE

From qrp-request@Think.COM Fri Nov 5 09:12:15 1993
Date: Fri, 05 Nov 1993 08:14:05 -0600 (CST)
From: "JEFF M. GOLD" <JMG@tntech.edu>
Subject: QRP rig for sale

Hi,

hate to do it, but going to sell my A&A Gary Breed 20 meter transceiver.. need the room and have too many rigs. I built it for an article and tested it pretty thoroughly.. not used other than that. It

is tuned down to about 5 watts, but seems to easily put out a nice 8 watts. The tx signal has gotten excellent reports and the receiver works great. There are 2 small places on the top that are small areas where the black paint didn't get painted (telling this because some people only want rigs that have absolutely no marks on them). This is a good backpacking rig, I have been using it powered off a small gell cell (never been out of the shack).

The completed transceiver measures 6 inches wide X 7.25 inches Deep X 3 inches high. It is small and rugged enough for backpacking. The rig can be tuned to cover any 50 khz of the band the kit is built for (advertised value-believe it is more like 48.?). The transceiver can run off a small 12V gell cell and will put out 5 watts (7-8 easily) from a +13.8 v source
The rig has Semi-QSK transmitt/receive switching. There is an audio derived AGC circuit and two stages of audio filtering.

$165 postage paid in US (kit cost plus postage.. no assembly or alignment charge).

72

Jeff, AC4HF

From qrp-request@Think.COM Mon Oct 25 10:44:17 1993
Date: Mon, 25 Oct 93 09:35:33 EDT
From: epacyna@auratek.com (Edward Pacyna)
Subject: QRP SWR/Power Meter Kit - For Sale

The circuit is from the ARRL book "W1FB Design Notes" (page 173?).

Kit includes the printed circuit card and all new parts (including the panel meter described herein) less an enclosure.

> The panel meter is clear plastic with a black band at the bottom. SWR is indicated at 1:1, 1.5:1, 2:1, 3:1 and by a red arc ifor > 3:1. Power scales are 0 - 10, 0 -100 and 0 - 1000. Size is 2 7/16"W x 2 5/16"H. The mounting hole is 1 3/4" diameter. The movement is 100uA.

This is an easy to build kit and will make a very useful SWR/Power Meter. With the values in the circuit the circuit can be made for 0 - 1W, 0 -10W or 0 - 100W. Price is $35 shipped in USA.

Ed Pacyna W1AAZ email: ed@auratek.com telephone: (617) 290-4800 X114

From qrp-request@Think.COM Mon Nov 1 15:40:17 1993
From: randy@cyphyn.radnet.com (Randy)
Subject: QRP Tube info here.
Date: Mon, 1 Nov 1993 15:41:41 -0500 (EST)

Not everyone has a tube manual.

I know what it's like to not have one, so now that I do, I'll share
it with anyone needing info.

Tubes , like:

01A , 1S4 , 5902 , 958A etc

I also have some addresses of parts sources as well.

--

Randy, KA1UNW   randy@cyphyn.radnet.com   randy@192.153.2.200

From qrp-request@Think.COM Fri Oct 29 11:52:55 1993
Date: 29 Oct 1993 11:50:58 +0000
From: "Bob Scott" <Bob_Scott@cpqm.saic.com>
Subject: Re: QRP- Fiber optics

        Reply to: RE>QRP: Fiber optics
What kind of connectors are on the receiver and transmitter (electical, not
fiber)?

From qrp-request@Think.COM Fri Oct 29 12:12:46 1993
Date: Fri, 29 Oct 1993 11:11:00 +0000
From: "Ken (K.E.) Harker" <kharker@bnr.ca>
Subject: Re: QRP- Fiber optics

In message "QRP- Fiber optics", Bob_Scott@cpqm.saic.com writes:

>   Reply to: RE>QRP: Fiber optics
> What kind of connectors are on the receiver and transmitter (electical, not
> fiber)?

     Let's see, I don't have the thing with me, but the transmitter and receiver
are both between 1 and 2 cubic centimeters in size, and they each have six

pins coming out from their bottom. I have a tech sheet that came with them that tells me (I think) what each pin does, how much power to send to them, etc... I've never worked with a digital circuit before, although I do know something about them from my computer architecture class (although the class was mainly assembly language programming and theory).

I keep trying to think about how I could use this in a project, but I keep coming up with blanks. The biggest problem is that I only have one set of the receiver/transmitter cubes, so any data I send is going on a one-way ride... If I got another pair, I could try to wire a 50Mbaud cable for my 1200 baud packet setup :-)

So what can I do with this cable? Any ideas?

_ken/n1pvb

From qrp-request@Think.COM Fri Oct 29 10:30:15 1993
Date: Fri, 29 Oct 1993 09:26:00 +0000
From: "Ken (K.E.) Harker" <kharker@bnr.ca>
Subject: QRP: Fiber optics

I just acquired a 3 meter piece of fiber optic cable and a rx and tx unit all wrapped up as a little educational kit from Hewlett Packard. Now that I have it, however, I can't think of a single thing I could use it for. Anyone got any ideas?

72's,

_ken/n1pvb

From qrp-request@Think.COM Tue Oct 26 12:46:20 1993
Date: Tue, 26 Oct 1993 11:44:00 +0000
From: "Ken (K.E.) Harker" <kharker@bnr.ca>
Subject: QRP: More detailed advice sought...

OK, having done some more thorough research, I have narrowed things down to three choices for a qrp kit. I am interested in what people have to think about the following:

$75	NorCal 40	by the Northern California QRP Club
$109	Sprint	by Oak Hill Research
$159	Gary Breed Transceiver	by A&A Engineering

The NorCal 40 is more along the price level I'm interested in, but I am wondering if maybe the Sprint or Gary Breed transceivers might be more useful once built. If you had to choose one of the three, which do you think represents the best value to a first time builder?

Another problem is that this wouldn't be purchased likely until February, and the NorCal kit may no longer be available then...

_ken/n1pvb

From qrp-request@Think.COM Tue Oct 26 15:51:45 1993
Date: Tue, 26 Oct 93 12:57:08 PST
From: Mark E Gustoff <Mark_E_Gustoff@ccm.hf.intel.com>
Subject: Re: QRP: More detailed advice sought...

     OK, having done some more thorough research, I have narrowed things
-down to
three choices for a qrp kit. I am interested in what people have to think
-about
the following:
I personally would recommend the Gary Breed Transceiver design,
as I have a 30M version. A kit for any band is available from
Pat at 624 kits and is roughly $115. Good kit, with nice
instructions and a very helpful Pat a phone call away if you
need it.

Good luck, whatever the choice..... 72 de WO7T/QRP

$75	NorCal 40	by the Northern California QRP Club
$109	Sprint	by Oak Hill Research
$159	Gary Breed Transceiver	by A&A Engineering

The NorCal 40 is more along the price level I'm interested in, but I am
wondering if maybe the Sprint or Gary Breed transceivers might be more
useful once built. If you had to choose one of the three, which do you
-think
represents the best value to a first time builder?

Another problem is that this wouldn't be purchased likely until February,
and the NorCal kit may no longer be available then...

_ken/n1pvb

From qrp-request@Think.COM Tue Nov 2 22:32:01 1993
Date: Tue, 2 Nov 93 19:31:19 PST
From: dh@deneb.csustan.edu (Doug Hendricks)
Subject: QRPp Journal Issue #3

Here is the table of contents from the December 1st Edition of QRPp,
Journal of the NorCal QRP Club. This will be the 3rd issue. The first
was 32 pages, 10% original material, 90% reprinted. The second was 48
pages, 75% original material, 25% reprinted. This issue is 60 pages,
90% original, with 10% reprinted.
     If you would like to receive this journal, subscriptions are $5 per

year, for 4 issues, published March, June, September, and December. Send your $5, along with your Name, Call, Address, City, State & Zip to:

Jim Cates, WA6GER
3241 Eastwood Rd.
Sacramento, CA 95821

To receive the December edition, which will be mailed Dec. 1st, we must receive your application by Nov. 21. Subscribers will also become members of NorCal QRP club.

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Say, Monday was a dead day on the net. What happened, you guys have a rough weekend??? Where is Chuck Adams????? CuL, 72, Doug

From qrp-request@Think.COM Wed Nov 3 18:43:27 1993
Date: Wed, 3 Nov 93 17:43:10 -0600
From: adams@chuck.dallas.sgi.com (Charles Adams)
Subject: QSO Parties es Others

Gang,

anyone worked 17 & 24 Mtrs on any of the contests?

reason for question: i'm redoing the QRP ARCI Contest Forms and the question came up about these two bands. Field Day is allowed on them. Seems like I read some time ago that 30M was the only band not allowed for contesting. Am I dreaming?

What are your feelings? Can you do the above bands QRP and with HB equipment?

Operators standing by.....

73 de k5fo
SIG
------cut here----------
Chuck Adams, K5FO - CP60
adams@sgi.com
QRP ARCI Awards Chairman

From qrp-request@Think.COM Wed Oct 27 12:04:53 1993
Date: Wed, 27 Oct 93 11:04:32 -0500
From: adams@chuck.dallas.sgi.com (Charles Adams)
Subject: QSO Updates

Gang,

a few additions to the post yesterday on building up your qso rate

n+1) Take your receiver aperiodically (once in a while) and tune in WWV on 10 or 5 MHz. I find that if WWV is weak on 10MHz, then 40 may be also dead. This happened last nite around 0245Z (UCT). Later at 0330 or so the band came back like gangbusters. in fact, i was up to 0700UCT working the band like crazy. worked a W7 for an hour.

      If we can get the digital guys off 14.100MHz, we could monitor

the beacons. This is an expensive network of systems around the world. If you don't know about them, let the net know and I'll let someone else write that up. :-)

n+2) When a QSO does start up, if you get a 559 or better, don't repeat anything unless you are asked to. The way I do this is I get a feel if the guy/girl is copying ok. If not, I'll either repeat or slow down a notch. 90% of my qso's are at 25 to 20wpm. That is where the majority of hams are.

Last nite I heard a guy call CQ CQ CQ ..... CQ (27 times) DE CALL CALL K and nobody came back to him. I tuned up to 7.040 and heard one guy call QRL? He waited, then CQ CQ CQ DE KB3ABH KB3ABH KB3ABH K and TWO guys came back to him. If I had jumped in that would have made three. I'm telling you, it works. Try it, you'll like it.

OK, I promise to go away for a week. I do post too much.

73 es cul de k5fo/qrp dit dit

I will be on around 0100UCT at 7.040 area. 0300Z at 7.110. Last nite worked at 10 wpm for 20 minutes. Most difficult QSO of my life. :-) But it was fun.....
SIG
------cut here----------
Chuck Adams, K5FO - CP60
adams@sgi.com

From qrp-request@Think.COM Wed Oct 27 12:58:53 1993
Date: Wed, 27 Oct 1993 10:01:26 -0800
From: burdick@interval.com (Wayne Burdick)
Subject: Re: QSO updates

Chuck, K5FO, wrote:

>I heard CQ (27 times) CALL CALL K ... nobody came back...
>I heard CQ CQ CQ DE KB3ABH KB3ABH KB3ABH K ... TWO guys came back

The latter must be the ham equivalent of whispering to attract attention. That works, too :)

From qrp-request@Think.COM Wed Oct 27 13:34:24 1993
Date: Wed, 27 Oct 93 12:34:10 CDT
From: dadams@cherry.cray.com (David Adams)
Subject: Re: QSO updates

Ok, I have to admit my naivete' here. (I am a brand new "extra" in
novice clothing. Still own no radio. up to 0 watts. ;^)

But even "CQ CQ CQ DE KB3ABH KB3ABH KB3ABH K" seems painfully long.
How many seconds does it take to pound that out at 20 wpm? 20?

I remember answering questions on the exam about the proper ediquite
of sending "CQ" three times and then the call, but I don't remember
this in the rules. It seemed that the rules simply required identification
at the end of the transmission. So why not begin with just the call
or better with just "dit dit". Then someone else can come back with
"well 'dit dit' to you too!" (Shorthand: "IU" or "dit dit U".) What
information more than this has been exchanged in the 20 second opener?
(Ok the call--but that is coming anyway.)

Ok so "dit dit" may have some other meaning. How about just "CQ" for
the entire opener?

Sourdough and Ham KG0IO/AE

--David C. Adams Statistician Cray Research Inc. dadams@cray.com

From qrp-request@Think.COM Wed Oct 27 14:52:24 1993
Subject: Re: QSO updates
Date: Wed, 27 Oct 93 14:51:56 -0400
From: "John F. Woods" <jfw@ksr.com>

> I remember answering questions on the exam about the proper ediquite
> of sending "CQ" three times and then the call, but I don't remember
> this in the rules. It seemed that the rules simply required identification
> at the end of the transmission. So why not begin with just the call
> or better with just "dit dit". Then someone else can come back with
> "well 'dit dit' to you too!" (Shorthand: "IU" or "dit dit U".) What
> information more than this has been exchanged in the 20 second opener?
> (Ok the call--but that is coming anyway.)

Apparently there was a time during which people did that, and the FCC
frowned mightily on it; just "dit dit" lacks ID, and CQ is (to the FCC)
the correct "standin" for the other station's ID when there isn't another
station yet :-).

> Ok so "dit dit" may have some other meaning. How about just "CQ" for

> the entire opener?

Just one CQ means that someone tuning across the band has to tune across
your signal at exactly the right moment to realize that you're sending it;
a few seconds of CQ, however many repetitions that works out to at the
sending speed, works better. CQ CQ CQ DE WB7EEL WB7EEL gives some time
for people to hear the distinctive CQ pattern, and helps someone who didn't
get the call the first time write it down right; three by three offers a
nice balance (but gets a bit tedious if your call is long).

From qrp-request@Think.COM Wed Oct 27 15:16:58 1993
Date: Wed, 27 Oct 93 12:16:43 PDT
From: paulb@harley.tti.com (Paul Blumstein -- kd6laa)
Subject: Re: QSO updates

+Ok, I have to admit my naivete' here. (I am a brand new "extra" in
+novice clothing. Still own no radio. up to 0 watts. ;^)

0 watts. The ultimate in QRP!
+
+But even "CQ CQ CQ DE KB3ABH KB3ABH KB3ABH K" seems painfully long.
+How many seconds does it take to pound that out at 20 wpm? 20?
+
+ <stuff deleted>
+
+Ok so "dit dit" may have some other meaning. How about just "CQ" for
+the entire opener?

The problem is that the HF bands are not channelized. So, if your
CQ was short, the odds of someone happening to be listening to your
frequency is really small. More likely, hams are tuning around,
listening for a CQ. If you send it several times, the likelihood
of someone hearing it increases.

BTW, the VHF equivalent of CQ (kd6laa listening) is short because
it is channelized, so peoples may be listening on frequency.

     Paul

From qrp-request@Think.COM Tue Oct 26 15:58:03 1993
Date: Tue, 26 Oct 93 13:37:19 -0500
From: adams@chuck.dallas.sgi.com (Charles Adams)
Subject: QSOs

Gang,

Someone in the group asked me a question and having thought about it,

I thought I'd give a few pointers. The rest of the group should join in after this and let's put it all together in a neat package and submit it to the QRPp and QQ. This is a joint venture, not a K5FO special. :-) Your feedback is wanted and needed. Jump right in. I am just relating my personal experiences here. Do you agree, disagree, or don't care. :-)

QUESTION: What do I do to up my qso rate, either QRP or QRO power levels?

ANSWER(s):

1. Check your transmitter for clean signal. If possible, transmit into dummy load and listen on nearby receiver. Is signal something you would listen to during a QSO? No chirp, no key clicks, and no AC components are desired.

2. Try listening to band first. Are signals good and at all levels? If all the signals are weak and at about the same level, then band is probably not in good shape for QRP. You're hearing all the 100W stations just above the noise level.

   If you hear really loud signals as well as weak signals, then QRP levels will work.

3. Try to call a station that is sending CQ and is pretty loud, 579-599.

   a. If this station is sending a long CQ (see following part 4), I'd hesitate to go after the guy/girl, because they may have attracted a crowd and you'll be fighting some stronger stations.

   b. If they are sending a short CQ, you have a good chance. No crowd is likely.

4. If you must call CQ, then do the following:

   a. Find what you think is a clear frequency.
   b. Send one time at 20 wpm 'QRL?'. Nothing else. Wait and listen.
      i) If you hear a dit dit, R, or C, then a QSO is in progress. Move on. DON'T send anything else. I've heard guys send SRI, OK, and other stuff. It's busy, leave it alone. You did your part.
      ii) If no reply, then do it again. QRL? and wait. I do this three times in a 10 to 15 second period. I'm in no hurry. No use trying to start a QSO where a net or other QSO is in progress. It will not win you any friends to try otherwise.
   c. OK, we have determined that we have a clear frequency. Time to go out in the woods and scare up the bears.

do it: CQ CQ CQ DE K5FO K5FO K5FO K

This is known as a 3x3 call. Nothing more and nothing less will do. I guarantee you don't need more. If you do longer CQs, you will either draw a crowd or you will tick everybody off and they will move to another frequency. I have listened to someone call CQ for about 20 seconds and still be going when I tune away. How long are they going to send?

Now the hard part. LISTEN. Do you have a receiver and it IS the most important part of the ham station. Without it, you're not going to have much fun. Listen for the weak signals. It's me!!

OK, no answer do it again. Keep trying this about every 15 seconds or so. If you have RIT, tune to either side. I've found that sometimes I have someone calling me as much as 2KHz off where I'm usually listening. They may have been working DX split and forgot about the offset. The worst case I've had, and this happened in the last six months, was 10KHz!! I worked the guy split. Kinda fun playing DX.

Another thing that I love and it bugs people. In the middle of sending a CQ, if you have QSK (you can hear between the dits), you hear someone tuneup on freq, stop. Send "?" and see what happens. :-)

d. If after about a minute or so, you still don't have an answer, move around. You may be on top of QSO that you don't hear but everybody else does and moves on.

e. I start out at a good speed for me, about 35 to 40wpm. If the answering station can go faster then we'll crank it up. If the answering station is having trouble, then I'll slow it down.

If I don't get an anwer the first couple of times, then down 5wpm to the next level. I'm sure someone listening to me to do this is smiling or laughing. But it works and I don't care. :-)
Remember I'm racking up QSOs. The only exception is on 40 meters during the day. If I'm in a crazy guy kinda mood, I'll start at 40wpm and go up in increments of 5wpm until 75wpm.

f. I never call CQ DX. It's just a thing with me. I'd be interested in what the DX group on this mailing service think about other stations calling CQ DX. Do you answer them? Is it easier for a DX station (and we are all DX to someone) to answer a CQ or sit on freq and call CQ? Inquiring minds want to know.

g. Always assumed in the above, you're using the right antenna 'cuz

> a 10 meter antenna won't work too well on 40 meters. Keep the
> SWR low, especially for QRP work. It's hard enough as it is.
> And you all have stories to tell the grandkids about the time that....

These are just some of the things that I do. I find that sometimes
I just can't raise someone, so it's time to clean the shack, go read
a book or do 'honey do's (you know, Honey do this, Honey do that). :-)
I do other things than ham radio, really i do. The price of a divorce
will buy a lot of equipment. :-)

So what do you think? Hopefully this will generate some traffic
here.

Enjoy life and cul de k5fo   dit   dit

SIG
------cut here----------
Chuck Adams, K5FO - CP60
adams@sgi.com

From qrp-request@Think.COM Tue Oct 26 17:43:19 1993
Subject: Re: QSOs
Date: Tue, 26 Oct 1993 14:43:05 -0700
From: Clark Savage Turner WA3JPG <turner@safety.ICS.UCI.EDU>

Chuck mentions how we increase our QSO quotient using QRP. Good
suggestions, I use them all (however, I DO send CQ a little longer
than a 3 x 3 and I go SLOWER than Chuck does :-)

Another thing I really value is a choice of antennas. It really
makes the difference at times. Modest antennas OK, but having
two (or more) different orientations or polarizations can be helpful
and instructive about how the darned little things work their magic.

I personally have a cheap two position rad shack antenna switch to
switch in a double zepp for 40 and a 95 foot dipole....which brings
up another point: if you use several antennas that do not present
the 50 ohm match, you may need a couple of simple tuners ahead of
the switch. That is what I do. It is really fun to switch around
and sometimes makes the difference whether "to qso or not to qso"
at the qrp level.

Clark

WA3JPG
------- End of Unsent Draft

From qrp-request@Think.COM Mon Oct 25 18:11:34 1993
Date: Mon, 25 Oct 93 17:11:16 -0500
From: adams@chuck.dallas.sgi.com (Charles Adams)
Subject: quiet

Sure is quiet here. Look for yours truly on 7.030 to 7.050 tonite
and every night this week. looking for dx. 950mW, so i'll be the
real weak one.

73 es gl dit   dit

p.s. worked WA5YFY this morning at 70wpm. i can still do it.
     that's faster than the digital guys can type!!! and they say
     CW is outmoded!! BS!

SIG
------cut here----------
Chuck Adams, K5FO - CP60
adams@sgi.com

From qrp-request@Think.COM Thu Oct 28 12:11:57 1993
From: fax%sparc4@Olivetti.Com (Marco Fassiotto)
Subject: Re Straight keys ? (was Re: Speed Limit)
Date: Thu, 28 Oct 1993 17:11:14 +0100 (MET)

On Tue, 26 Oct 1993, Dennis Henderson wrote:

>
> Do you very many QRP'ers run straight keys anymore?
> Running QRP with a keyer or a keyboard seems a bit
> contradictory to me.
>

Well, I felt in same way before switching to an electronic keyer.
I was thinking to do it since, although my fist has always been considered
quite regular, I could not reach very high speeds (not that now I'm doing
that much better :') . On the other hand leaving the straight key sounded
kind of turning the back to old traditions.
Then I decided to design and build the keyer electronic by myself (including
also a DVR all in one box) and that's it! With a homebrew keyer, my consciense

is now easy and, needless to say, from time to time I pull my old SK off the drawer and use with the same pleasure as ever.

73 es cul
marco

--

```
-------------------------------------------------------------------------
Marco Fassiotto               | Voice : +39-125-524650 | ham  : IX1IIY/1
System Software Engineer      | Fax :   +39-125-424294 | pkt : ix1iiy@ik1brm-8
Laser Printers Project Dept.  | Data:   +39-125-524374 ------------------------
Olivetti                      | Internet : fax@sparc4.ico.olivetti.com
                              |            fax%sparc4@olivetti.com
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Marco Fassiotto               | Voice : +39-125-524650 | ham  : IX1IIY/1
System Software Engineer      | Fax :   +39-125-424294 | pkt : ix1iiy@ik1brm-8
Laser Printers Project Dept.  | Data:   +39-125-524374 ------------------------
Olivetti                      | Internet : fax@sparc4.ico.olivetti.com
                              |            fax%sparc4@olivetti.com
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From qrp-request@Think.COM Wed Nov 3 17:40:36 1993
Date: Wed, 3 Nov 93 12:40:25 HST
From: Jeff Herman <jherman@uhunix.uhcc.Hawaii.Edu>
Subject: schematics

Gang,
   It would be fine with me if just the non-copyrighted schematics of various rigs were posted; we can figure out the layout ourselves.

Jeff NH6IL (ex: WA6QIJ)
[Copyright C 1993 by Jeffrey Herman, All rights reserved! (so there!)]

From qrp-request@Think.COM Wed Oct 27 15:07:41 1993
Date: Wed, 27 Oct 93 14:07:10 -0500
From: adams@chuck.dallas.sgi.com (Charles Adams)
Subject: Speed

David C. Adams (no relation) writes -

But even "CQ CQ CQ DE KB3ABH KB3ABH KB3ABH K" seems painfully long.
How many seconds does it take to pound that out at 20 wpm? 20?

It takes about 21 to 22 seconds. Good guess.

dit dit
SIG
------cut here----------
Chuck Adams, K5FO - CP60
adams@sgi.com

From qrp-request@Think.COM Tue Oct 26 11:42:13 1993
Date: Tue, 26 Oct 93 10:38:12 -0500
From: adams@chuck.dallas.sgi.com (Charles Adams)
Subject: Speed Limit

Gang,

Sorry, but i don't do 70wpm on 40 at nite. Too much qrm. High speeds are possible on a lightly populated band. I do 20 to 25 wpm most of the time. In fact, I can tell you at what speed I operate every qso. I record it in my log. The only nice about the CK-2 and MM-3 and Heath Ultrapro Keyboard is that I know the exact speed, one of the side effects of being in a digital world of electronics. :-)

So don't be scared, I don't play burnout. When I was first starting and I was up to about 40wpm, I had some W7 rip into me at high speed, and to this day I don't know what he said. The ONLY qso that this happened to me and the only one that will ever be that way. Soapbox Off:-)

So, don't be afraid to ask me for a sked. I was on last nite and got email from VE5VA that he heard me, but due to qrm, I did not hear him. I was trying to find KI6DS, but propagation to west coast never appeared. I did work XE2FO and AB4FO. I heard W2FO on 30 meters a week ago, but he didn't hear me.

I'm going to novice band tonite and meet one of the guys on here and then back to 7.040 area again. QRN about to die to reasonable levels.

Back to regularly scheduled programming now in progress.

ciao,

SIG
------cut here----------
Chuck Adams, K5FO - CP60
adams@sgi.com

From qrp-request@Think.COM Fri Nov 5 17:25:13 1993
Date: Fri, 5 Nov 93 17:25:10 -0500
From: jrj@mbunix.mitre.org (James R. Johns)
Subject: Spreadsheet Filter Design Program

Would the person who offered the spreadsheet for filter design please
either repost or email me your address. My system crashed as I was
preparing an Email reply and I lost the original post. Sorry for the
BW on the net for this.

       Jim Johns KA0IQT
       jrjohns@mitre.org

From qrp-request@Think.COM Thu Nov 4 19:58:18 1993
Subject: Spreadsheet for crystal filter design
Date: Thu, 04 Nov 1993 19:58:14 -0500
From: Daniel C Halbert <halbert@world.std.com>

I've built a calculator for Butterworth and Chebyshev crystal ladder
filter design, done as a Lotus 1-2-3 spreadsheet. This spreadsheet was
created on Lotus 1-2-3 Release 4, but is a .WK1 file (and associated
.FMT file).

The method used is from May 1982 QST, "A unified approach to the
design of crystal ladder filters", by Wes Hayward, W7ZOI, p. 21.

If you're interested, send me mail. I can send you a uuencoded .ZIP
file that's only about 6k bytes. If I get a lot of demand, I'll
see about uploading it to the think.com QRP archives.

Dan Halbert, KB1RT

From qrp-request@Think.COM Wed Oct 27 09:34:29 1993
Date: Wed, 27 Oct 1993 08:36:14 -0500 (CDT)
From: "JEFF M. GOLD" <JMG@tntech.edu>
Subject: staright keys

Hi,

well glad to see the group is once again awake and aware.

I love straight keys. I love to collect and use them. I like my hand made solid brass key made in Canada and my Kent keys best. I also have about 5 other J38 like keys. I use a straight key whenever possible, I find it very soothing to my sole. I do have a few sets of paddles and all types of keyers and use them also.

72

Jeff, AC4HF

From qrp-request@Think.COM Tue Oct 26 16:41:26 1993
Date: Tue, 26 Oct 93 15:41:06 -0500
From: adams@chuck.dallas.sgi.com (Charles Adams)
Subject: Straight Key

I have a straight key. J-38 from Brunnell (if I spelled it correct). But I would not subject anyone to my using it. Don't know if I could. Maybe I should try it.

Tell you what, I have sked tonite at 0300UTC at 7.110MHz. I'll hook it up, I promise. Maybe even practice before I get on the air. Into a dummy load of course.

I didn't mean to or in any way suggest that we get into a contest mode on this group. :-) Speed kills. Purpose is to enjoy.

BTW: I noticed in latest WorldRadio an advertisement for code practice sessions on 7.040 and 14.060 from 20wpm to 60wpm. Why on the QRP ARCI calling freqs? Not that we own them or anything, but.....

73 de k5fo   dit   dit
SIG
------cut here----------
Chuck Adams, K5FO - CP60
adams@sgi.com

From qrp-request@Think.COM Tue Oct 26 15:22:45 1993
Date: Tue, 26 Oct 93 9:22:31 HST
From: Jeff Herman <jherman@uhunix.uhcc.Hawaii.Edu>
Subject: Straight keys

Dennis,
   I only use a straight key - got a bug back in California that I might bring back here to Hawaii on my next trip.
   What's nice is to get proficient at using either hand to send with, so if one cramps up just switch (that's hard to do with a bug, though).
   Many times, just for fun, I use a straightened paperclip tacked to a block of wood as my key; guess that counts as a `straight' key...

Jeff NH6IL (ex: WA6QIJ)

From qrp-request@Think.COM Tue Oct 26 17:13:29 1993
From: jpo@acd4.acd.com (Jim Osburn   )
Subject: Straight Keys
Date: Tue, 26 Oct 93 14:59:39 EST

Ok, you've talked me into it.
I'm going to get out my old J-38 and get on the novice band with it.
I never developed any speed with a straight key. I used one for
a few QSO's a few years back, but I've been using keyers since.
Since my fist will sound like I'm QLF, I'll get in the novice band
and go slow.

I've just finished reading the book _Empire_Of_The_Air_ by Tom Lewis.
Darn good book. Anyway there's some pictures in the book of
David Sarnof using a straight key. I wonder what kind of fist he had.
I bet he didn't sound QLF.

Jim, WD9EYB

From qrp-request@Think.COM Wed Oct 27 07:26:30 1993
Date: Wed, 27 Oct 1993 07:25:49 -0400
From: Brad Mitchell <bmitchel@CBA.Kodak.COM>
Subject: Re: Straight keys

>   What's nice is to get proficient at using either hand to send with, so
> if one cramps up just switch (that's hard to do with a bug, though).
> Jeff NH6IL (ex: WA6QIJ)
>
Hold on there! This is where I take exception! I am right handed, and glad of

it, but once upon a time, I was talking to a fellow about sending with the iambic keyer. He told me try reversing the leads and send leftie for one day, and by the end of that day you won't want to switch back. Well In disbelief, I took the square heathkit keyer, and turned it over, and tried with my left hand. Well, later that day I had the soldering iron out switching the wires permanently! Funny thing is, my right hand is free to write in the log now.

I was a non beleiver till I tried! Now I have people come to my shack in awe of this marvelous tallent, or at least they get upset trying to send cq with my keyer %:-).

73 Brad WB8YGG

From qrp-request@Think.COM Wed Oct 27 08:12:51 1993
Date: Wed, 27 Oct 1993 08:12:31 -0400
From: swart@curry.shr.dec.com (Mark Swartwout, NX1K)
Subject: RE: Straight keys

Two personal comments from this thread:

Straight Keys - Although the top speed limit is lower, I really enjoy a straight key. Guess it comes from wanting to simplify things, particularly the number of wires. This is a "wireless" hobby afterall.

Currently am using a Viking Key which was great when I first got it, but seems to have worn out. Rather than a post that you make solid contact with, the key handle pushes down a short rod that works a contact in the base of the key. It has gotten pretty mushy of late.

Switching Hands - A few years ago, a left-handed friend who works a keyer with his right hand said to me, "I know several left-handed hams who key right and write left, but there are no right-handed hams who key left and write right." Well, that was too much of a challenge to take, so I started working the keyer left handed. Like Brad, WB8YGG, I started out by switching the leads. Then I switched them back and so now am proficient sending left handed with a right-handed key. Thus I can use a right-handed hams key, and vice-versa, without changing leads.

But, I also switched the mouse on my computer to the left side, but try as I might, I couldn't get myself to work it with right handed settings. Somehow the index finger needed to be mouse button 1. Go figure.

One problem with the left handed mouse is some games that insist that MB1 moves a target to the left w/o provision for reversing this.

Cheers,

Mark

From qrp-request@Think.COM Fri Oct 29 18:56:09 1993
Date: Fri, 29 Oct 1993 15:44:49 -0800
From: cleveland@gvg47.gvg.tek.com (Grover Cleveland)
Subject: Re: Straight keys

>>
>Hold on there! This is where I take exception! I am right handed, and glad of
>it, but once upon a time, I was talking to a fellow about sending with the
>iambic keyer. He told me try reversing the leads and send leftie for one day,
>and by the end of that day you won't want to switch back. Well In disbelief, I
>took the square heathkit keyer, and turned it over, and tried with my left
>hand.
>Well, later that day I had the soldering iron out switching the wires
>permanently! Funny thing is, my right hand is free to write in the log now.
>

Wait a minute! If you are going to switch hands, what is the advanatege of
switching the wires since you will have to learn to send anyway?

Grover

WT6P

From qrp-request@Think.COM Sat Oct 30 06:03:08 1993
From: rich@mulvey.com
Subject: re: straight keys
Date: Sat, 30 Oct 1993 00:12:27 -0500 (EDT)

> >
> > On Tue, 26 Oct 1993, Dennis Henderson wrote:
> >
> > >
> > > Do you very many QRP'ers run straight keys anymore?
> > > Running QRP with a keyer or a keyboard seems a bit
> > > contradictory to me.
> > >
> >
> > Yeah, does seem to be sort of "impure" doesn't it? I haven't done much HF
> > operating yet, much less QRP, but seems to me that everybody sounds alike
> > anymore. Can't tell one fist from another without a digital timer.
> >
>

Well, I just got my straight key in the mail last night, actually. :-)
I've been practicing with it into a dummy load (As I sit here reading
USENET news, I key what I'm reading... good practice. :-) I definately need to
develop a little more skill before I subject other people to my fist. ;-)
The funny thing is, as a new CW operator, I find that I can send slightly
faster with the straight key than with my paddles and keyer... I guess I
don't have to think quite as much about which paddle to press, and for
how long.

> > >
> > > I'd like to see SKN (Straight Key Night) be every month
> > > rather than just on New Years's Eve. Last Sunday would be
> > > fine. I'm going to suggest this to the rec...misc group.
> > >

Not a bad idea.

- Rich

From qrp-request@Think.COM Mon Nov 1 06:58:28 1993
Date: Mon, 1 Nov 1993 06:55:41 -0500
From: Brad Mitchell <bmitchel@CBA.Kodak.COM>
Subject: Re: Straight keys

> >>
> >Hold on there! This is where I take exception! I am right handed, and glad of
> >it, but once upon a time, I was talking to a fellow about sending with the
> >iambic keyer. He told me try reversing the leads and send leftie for one day,
> >and by the end of that day you won't want to switch back. Well In disbelief, I
> >took the square heathkit keyer, and turned it over, and tried with my left
> >hand.
> >Well, later that day I had the soldering iron out switching the wires
> >permanently! Funny thing is, my right hand is free to write in the log now.
> >
>
> Wait a minute! If you are going to switch hands, what is the advanatege of
> switching the wires since you will have to learn to send anyway?
>
> Grover
>
> WT6P
>
>
>

>
Grover,
That's the point, I didn't have to learn at all. It came as naturally as
sending right handed. That was what the ham had tried to tell me, but I
didn't believe him, till I tried myself. I have tried sending with the dits
on the index finger, and the dahs on the thumb, but there is a significant
learning curve there.   73 Brad WB8YGG

From qrp-request@Think.COM Tue Oct 26 13:37:42 1993
From: Tom_Jennings <jennings@eng115.rochny.uspra.abb.com>
Subject: Re: straight keys?
Date: Tue, 26 Oct 93 13:37:38 EDT

Dennis,

I'm a straight key person. I have a keyer but its packed away
under my kitchen.

73,

TJ, kv2x

--

                                |
Thomas J. Jennings | Tel: (716) 273 7071
Development Engineer | Fax: (716) 273 7262
                                |
ABB Process Automation |
Post Office Box 22685 |
Rochester, New York 14692-2685 |
                                |

Internet: jennings@jennings.rochny.uspra.abb.com

From qrp-request@Think.COM Tue Oct 26 12:55:16 1993
Date: Tue, 26 Oct 93 09:53:16 PDT
From: Dennis.Henderson@Eng.Sun.COM (Dennis Henderson)
Subject: straight keys? (was Re: Speed Limit)

Do you very many QRP'ers run straight keys anymore?
Running QRP with a keyer or a keyboard seems a bit
contradictory to me.

Am I just too old fashioned? I love CW but I started out
in the good ol' days when a bug was the latest. Hand sent

and hand copied CW is a bit of an art and challenge. Now
it appears the art/challenge is more in the contacts and contests
than in generaring dits-and-dahs.

I'd like to see SKN (Straight Key Night) be every month
rather than just on New Years's Eve. Last Sunday would be
fine. I'm going to suggest this to the rec...misc group.

...Dennis Henderson, N6TTW

ps: This isn't meant to be a flame. I've comtemplated
building a keyer but don`t have any time for operating
these days. This mailing group has got me thinking about
a QRP rig and perhaps a keyer as a spark for some renewed
interest.....

From qrp-request@Think.COM Tue Oct 26 14:57:48 1993
Date: Tue, 26 Oct 93 13:57:14 CDT
From: rand@zeta.sps.mot.com (Rand Gray)
Subject: Re: straight keys? (was Re: Speed Limit)

Dennis.Henderson@Eng.Sun.COM (Dennis Henderson) writes:

> Do you very many QRP'ers run straight keys anymore?
> Running QRP with a keyer or a keyboard seems a bit
> contradictory to me.

Surely not contradictory. QRP often implies simplicity, and sometimes
portability, but it only actually refers to low transmit power operation.

Inasmuch as a single chip keyer using CMOS technology may be constructed,
simplicity and portability are not necessarily sacrificied with a keyer.

Likewise, a notebook PC can be employed as a keyboard, which is also
portable.

In any case, straight keys ARE wondrous things (I collect them), and I
enjoy operating them. However, my carpal tunnel syndrome is much happier
when I use a keyer.

QRP CW is fine in any operating mode!

73,
Rand Gray W1GXN

From qrp-request@Think.COM Tue Oct 26 16:47:41 1993
Date: Tue, 26 Oct 93 13:53:06 PST

From: Spence S Wilhelm <Spence_S_Wilhelm@ccm.hf.intel.com>
Subject: Re: straight keys? (was Re: Speed Limit)

I'm still using mostly a straight key. Although I can't imagine using it in the future as I get my code speed up. Anything over 12 WPM seems to be pushing it for a straight key, or my wrist as well. :-) I have had good success using two micro switches bolted together to make a set of poor man's paddles. The single chip keyer chips sound exciting. Its probably about time I get serious and buy one of the CMOS kits and update my sending skills. My current working keyer is one of the tube type Hallicrafter models, poor man's keyer?

tnx,

de kb7tcy, spence

From qrp-request@Think.COM Thu Oct 28 10:42:46 1993
Date: Thu, 28 Oct 1993 09:30:41 +2536400 (??)
From: Douglas J Renze <drenze@grind>
Subject: Re: straight keys? (was Re: Speed Limit)

On Tue, 26 Oct 1993, Dennis Henderson wrote:

>
> Do you very many QRP'ers run straight keys anymore?
> Running QRP with a keyer or a keyboard seems a bit
> contradictory to me.
>

Yeah, does seem to be sort of "impure" doesn't it? I haven't done much HF operating yet, much less QRP, but seems to me that everybody sounds alike anymore. Can't tell one fist from another without a digital timer.

>
> I'd like to see SKN (Straight Key Night) be every month
> rather than just on New Years's Eve. Last Sunday would be
> fine. I'm going to suggest this to the rec...misc group.
>

I'm game!

__ /| | Douglas J Renze, N0YVW |
\'o.O' | +1 319 337 4664 |
=(___)= | drenze@icaen.uiowa.edu |
   U | Douglas-Renze@uiowa.edu |

IN GOD WE TRUST
All Others Pay Cash

From qrp-request@Think.COM Wed Nov 3 21:18:41 1993
Subject: subscribe
Date: Wed, 3 Nov 93 21:18:28 EST
From: Terry Murphy <Terry.Murphy@lambada.oit.unc.edu>

subscribe
72
terry de ab4vj
durham nc

****
** Terry Murphy de AB4VJ Hallicrafters and Keys Adopted - Inquire within **
** PO Box 61971 DurHAM,NC 27705-1971 (919)471-4018 HM (919) 544-5729 Work **
** email to Terry.Murphy@launchpad.unc.edu   Go Heels !!   **
** packet to ab4vj@kb4wga #dur.NC.USA   or 14.188 RTTY Sundays   **
****

From qrp-request@Think.COM Fri Oct 29 18:20:40 1993
From: karayan@cc.bellcore.com (karayannopoulos,george)
Date: 29 Oct 1993 18:20 EDT
Subject: Subscribe!

Please, add me to your QRP mailing list. Thank you.

George Karayannopoulos   N2OWO
karayan@cc.bellcore.com   Bellcore, Red Bank, NJ
Disclaimer: The opinions expressed here are mine and not my employer's.

From qrp-request@Think.COM Thu Oct 28 16:31:48 1993
From: MIKE_HERR@cl_63smtp_gw.chinalake.navy.mil (MIKE HERR)
Date: Thu, 28 Oct 1993 13:38:27 PST
Subject: Subscription

                      Subject: Time:1:25 PM
  OFFICE MEMO   Subscription   Date:10/28/93
Doug Hendrick, KI6DS, suggested I subscribe to the Qrp group. Please
subscribe me to your qrp group.

Thankyou, Mike Herr, WA6ARA, NorCal #50

MIKE_HERR@cl_63smtp_gw.chinalake.navy.mil

CUL, 72, MIKE

From qrp-request@Think.COM Wed Nov 3 20:16:28 1993
Date: Wed, 3 Nov 93 20:16:17 -0500
From: al838@cleveland.Freenet.Edu (Eric J. Grabowski)
Subject: Surplus Equipment

I just received the Fall 1993 Catalog Supplement (4 pages) from Fair Radio Sales. There are some items that may be of interest.

Item 1 -- PRC-74B HF Transceiver. Solid-state unit operates over 2 to 17.999 MHz usb and cw in 1 kHz steps. Output is 15 watts PEP. Power requirement: 10.5 to 17 vdc. Size: 3.8 x 12 x 15.5 inches. Shipping weight: 18 lbs. Used. $250

Item 2 -- J-38 Key. Straight key with shorting bar and white brass hardware on 4.2 x 3 inch black phenolic base. U.S. manufacturer. Unused $30

Item 3 -- BC-610 Tuning Unit model TU-51 (5.0 to 6.35 MHz). Contains the following variable capacitors with shafts:
8-99 pF, 9-143 pF, 7-100 pF. Also some coils. Size: 2.9 x 9 x 5 inches. Shipping weight 4 lbs. Unused. $19.95

Item 4 -- RT-176/PRC-10 FM Transceiver (38-54.9 MHz continuous tuning). Used. $45

Item 5 -- RT175/PRC-9 FM Tranceiver (27.9-38 MHz continuous tuning). Used. $38

Item 6 -- Velvet Vernier tuning mechanism. 1/4 inch shafts. Know and dial not available. Unused. $2.95 ea or 2 for $5.

I have no connection with these folks, so if you want a copy of the catalog supplement or more information contact them.

Fair Radio Sales Company
1016 E. Eureka St.
P.O. Box 1105
Lima, OH 45802

Telephone: (419)227-6573 or 223-2196

Fax: (419)227-1313

Store hours: 9 to 5:30 EST Monday thru Friday
             9 to 1:00 EST Saturday

BTW, they accept MasterCard and Visa, and (based on past
experience) usually ship with a couple of days.

--Eric
Correction to item 6: change know to knob (sorry about the typo) :-{

--
Eric Grabowski, WA8HEB   al838@cleveland.freenet.edu
Chagrin Falls, Ohio

From qrp-request@Think.COM Tue Oct 26 14:02:39 1993
Date: Tue, 26 Oct 93 13:02:04 CDT
From: sfarmer@amoco.com (Steven L. Farmer)
Subject: Ten Tec kits

They're easy to overlook, but the latest Ten Tec Scout ads contain
a blurb in the lower right corner of the page regarding Ten Tec's
plans to market kits. The phone number given for catalog requests
is 615-453-7172. I called this morning and was told that they'll
be mailing the catalogs out in about 3 weeks. They plan to start
with 'one evening' kits, mostly shack accessories. Later, they
may sell kits for a 2m amp and a 6m transverter. Anyone have
more info?

73 de WA5RPF

From qrp-request@Think.COM Fri Nov 5 11:44:05 1993
From: Scott Wood <swood@vela.acs.oakland.edu>
Subject: Ten-tec Argo* QRP listings
Date: Fri, 5 Nov 1993 11:44:04 -0500 (EST)

I noticed that there was a posting not too long ago in regards to
a Argonaut for ~100. I wrote an email message, but the unit was
already sold. However, I am not talking to a gent about purchasing
another one, and he is interested in the going prices. If someone
has a copy of that letter still lying around, I would appreciate a
copy of it mailed to me at any of the addresses below....

thanks

73 de WQ8B
Scott

--
If you receive this signature, please return it to it's rightful owner:
swood@vela.acs.oakland.edu swood@argo.acs.oakland.edu
swood@unix.secs.oakland.edu swood@terminator.cc.umich.edu

From qrp-request@Think.COM Fri Nov 5 13:08:52 1993
Subject: Re: Ten-tec Argo* QRP listings
Date: Fri, 05 Nov 1993 10:08:24 -0800
From: Clark Savage Turner WA3JPG <turner@safety.ICS.UCI.EDU>

Hi Scott (and the net):

Having following Argo prices quite faithfully for a year or more now, I
can say that the 505 will sell from $125-$200 and the 509 goes from
$190-$240 and the 515 is out of sight at $300-$400. These
all depend on accessories and condition. For comparision, Ten Tec
sells the Argos reconditioned for:

505: not listed anymore (last listing was about $175 I believe)
509: $275
515: $395.

Yikes.

Clark WA3JPG

From qrp-request@Think.COM Fri Oct 29 09:01:10 1993
Date: Fri, 29 Oct 93 08:59:29 EDT
From: Greg Buhyoff <BUHYOFF@VTVM1.CC.VT.EDU>
Subject: Test msg

This is only a test msg to see if the list is wrking -- I sent one
yesterday which has not been forwarded --

From qrp-request@Think.COM Fri Nov 5 16:47:40 1993
Date: Fri, 5 Nov 93 11:47:28 HST
From: Jeff Herman <jherman@uhunix.uhcc.Hawaii.Edu>
Subject: tube radios

Wow! I think it's wonderful that some folks on here are considering
tube + QRP rigs. I'll have to dust off my 1972 ed. of The Handbook
and see what my collection of tubes can do (that's the only edition I
own; I've requested our library purchase the latest edition but their

budget is shrinking).

The only problem working with tubes is the necessary power supply - not too convenient for portable operation...

Jeff NH6IL

From qrp-request@Think.COM Tue Oct 26 21:24:23 1993
Date: Tue, 26 Oct 93 15:24:13 HST
From: Jeff Herman <jherman@uhunix.uhcc.Hawaii.Edu>
Subject: two-handed QSOs

I just got the most wonderful idea: recall I mentioned switching hands when using a straight key to avoid fatigue? Well, why not run two rigs at the same time - send CQ's on two different bands simultaneously! (Chuck, can you carry on two QSOs at once?). God forbid that both CQ's get answered; but you increase your chances of snagging someone and save time to boot! I'll let you know how it works (after all, we've got two ears and two hands - put 'em all to work at once).

Jeff NH6IL (ex: WA6QIJ)

From qrp-request@Think.COM Tue Oct 26 22:27:57 1993
Date: Tue, 26 Oct 1993 19:27:36 -0700 (PDT)
From: stark <mswmod@sage.unr.edu>
Subject: Re: two-handed QSOs

Hi Jeff,

Well, I never tried that but I do send with my right hand and write with the left. Some say that's cheating!

Ron, KU7Y

From qrp-request@Think.COM Tue Oct 26 22:43:44 1993
Date: Tue, 26 Oct 93 21:43:35 -0500
From: adams@chuck.dallas.sgi.com (Charles Adams)
Subject: W6SKQ

As most know, W6SKQ, Bob Spidell passed away in June. I scanned in the following written by Richard Fisher, KI6SN, as it appeared in the Oct issue of the QRP ARCI Quarterly.

BOB SPIDELL, W6SKQ

1937-1993

One of QRP's best known and most highly resqted voices fell silent in June with the sudden death of Bob Spidell, W6SkQ. he was 56.

Bob, a past contributor to Worldradio, QRP QuarterLy, G-QRP's SPRAT, and other QRP publications, for many years had been one of QRP's greatest ambassadors. He held memberships in QRP organizations including QRP ARCI (No. 3135), G-QRP (No. 355), VK CW Ops QRP Club (No. 67), Michigan QRP Club (No. 177), NorthWest QRP Club (No. 20), and QRP Club of New England (NR. 85), and is responsible for bringing untold numbers of radio amateurs into the world of QRP.

A builder and avid operator, Bob will always be remembered for his untiring advocacy of low-power operation. He was a founding member of the Zuni Loop Mountain Expeditionary Force, one of QRP's best known Field Day groups. Until his death less than two weeks before Field Day 1993, the group had operated under his call sign since its inception.

A friend to many QRPers across the country and around the world, his hearty laugh, distinct fist, kind demeanor, wonderful sense of humor and genuine willingness to help others into our niche of Amateur Radio will be greatly missed. No radio operator loved QRP more than Bob.

Richard Fisher, KI6SN
Worldradio, Sept. 1993

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Chuck Adams, K5FO - CP60
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